**Fire Fighting**

1. ONE METHOD OF INDIRECT FIREFIGHTING IS FLOODING THE SEALED FIRE AREA WITH \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 323

ANSWER: WATER

19. FOR A CLASS C FIRE (ELECTRICAL), IF POWER HAS BEEN CUT OFF TO THE BURNING EQUIPMENT, IT MAY BE TREATED AS A CLASS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FIRE.

STATEMENT NO: 383

ANSWER: A OR B

24. CLASS \_\_\_\_\_\_\_\_\_ FIRES INVOLVE FLAMMABLE OR COMBUSTIBLE LIQUIDS.

STATEMENT NO: 348

ANSWER: "B"

38. SMOKE USUALLY CONTAINS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND OTHER TOXIC OR ASPHYXIATING GASES PRODUCED BY FIRES.

STATEMENT NO: 106

ANSWER: CARBON MONOXIDE

53. ELECTRICAL FIRES ARE BEST EXTINGUISHED BY\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SUCH AS CARBON DIOXIDE AND CERTAIN DRY CHEMICALS.

A. EXTINGUISHERS

B. FIRE FIGHTING AGENTS

C. NONCONDUCTING AGENTS

D. F0AMING AGENTS

E. NONE OF THE ABOVE

STATEMENT NO: 5

ANSWER: C. NONCONDUCTING AGENTS

63. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS USEFUL ONLY IN FIGHTING CLASS B AND C FIRES.

STATEMENT NO: 36

ANSWER: FOAM

70. BURNING WOOD IS AN EXAMPLE OF A CLASS \_\_\_\_\_\_\_\_\_\_ FIRE.

STATEMENT NO: 14

ANSWER: A

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mine Gases**

2. CARBON MONOXIDE HAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. AN ODOR OF FORMALDEHYDE

B. COMPLETELY DISOLVED

C. NO TASTE

D. POOR TASTE

E. GOOD TASTE

STATEMENT NO: 86

ANSWER: C. NO TASTE

7. NITROGEN HAS NO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. VALUE

B. REDEEMING QUALITIES

C. TASTE

D. FUTURE

E. OXYGEN

STATEMENT NO: 283

ANSWER: C. TASTE

10. THE SPECIFIC GRAVITY OF METHANE IS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 291

ANSWER: 0.5545

13. NITROGEN IS A(N)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_IN ABOVE NORMAL CONCENTRATIONS.

STATEMENT NO: 288

ANSWER: ASPHYXIANT

9. GASES WITH SPECIFIC GRAVITIES GREATER THAN 1.0 TEND TO SEEK \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 365

ANSWER: LOW PLACES

20. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS A SUPPORTER OF COMBUSTION.

STATEMENT NO: 262

ANSWER: OXYGEN

27. NITROGEN DIOXIDE IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. NOT A GAS

B. COMBUSTIBLE

C. SLIGHTLY TOXIC

D. NONEXPLOSIVE

E. ALL OF THE ABOVE

STATEMENT NO: 281

ANSWER: D. NONEXPLOSIVE

49. THE FIRST SYMPTOM OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ POISONING IS A SLIGHT TIGHTENING ACROSS THE FOREHEAD AND POSSIBLY A HEADACHE.

A.HYDROGEN SULFIDE

B.CARBON MONOXIDE

C.CARBON DIOXIDE

D.NITROGEN DIOXIDE

E.NONE OF THE ABOVE

STATEMENT NO: 307

ANSWER: B.CARBON MONOXIDE

52. TO TEST FOR METHANE USE A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OR CHEMICAL ANALYSIS.

STATEMENT NO: 302

ANSWER: METHANE DETECTOR

54. SULFUR DIOXIDE IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 275

ANSWER: NONEXPLOSIVE

57. CONTINUAL EXPOSURE TO\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MAY DULL THE SENSE OF SMELL.

STATEMENT NO: 289

ANSWER: HYDROGEN SULFIDE

58. CARBON MONOXIDE HAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 80

ANSWER: NO COLOR

65. IN SOME MINES, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_IS LIBERATED FROM THE ROCK STRATA.

A.CARBON MONOXIDE

B.CARBON DIOXIDE

C.HYDROGEN SULFIDE

D.NITROGEN DIOXIDE

E.NONE OF THE ABOVE

STATEMENT NO: 101

ANSWER: B.CARBON DIOXIDE

66. THE SPECIFIC GRAVITY OF \_\_\_\_\_\_\_\_\_\_\_ IS 1.5291.

A.CARBON MONOXIDE

B.CARBON DIOXIDE

C.HYDROGEN SULFIDE

D.NITROGEN DIOXIDE

E.NONE OF THE ABOVE

STATEMENT NO: 300

ANSWER: B.CARBON DIOXIDE

68. THE EFFECTS OF TOXIC GASES DEPEND ON THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

TOXICITY, AND EXPOSURE TIME.

STATEMENT NO: 358

ANSWER: CONCENTRATION

71. THE MONITORING OF THE MINE ATMOSPHERE FOR THE PRESENCE OF OXYGEN,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, AND CARBON MONOXIDE IS AN IMPORTANT ELEMENT OF TEAM EXPLORATION.

STATEMENT NO: 50

ANSWER: METHANE

73. SULFUR DIOXIDE IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. YOUR BUDDY

B. ESSENTIAL FOR LIFE

C. HIGHLY TOXIC

D. NON-CONDUCTING

E. REDDISH BROWN IN HIGH CONCENTRATIONS

STATEMENT NO: 287

ANSWER: C. HIGHLY TOXIC

85. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS THE PRODUCT OF INCOMPLETE COMBUSTION OF ANY CARBON MATERIAL.

STATEMENT NO: 264

ANSWER: CARBON MONOXIDE

86. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HAS AN ODOR SIMILAR TO ROTTEN EGGS.

STATEMENT NO: 81

ANSWER: HYDROGEN SULFIDE

89. A MIXTURE OF COALDUST IN AIR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ THE EXPLOSIVE LIMIT OF METHANE.

STATEMENT NO: 308

ANSWER: REDUCES

102. THE AFFINITY OF CARBON MONOXIDE FOR HEMOGLOBIN IS \_\_\_\_\_\_\_\_\_\_\_\_\_ TIMES THAT OF OXYGEN.

A.300 TO 400

B.250 TO 350

C.200 TO 300

D.200 TO 400

E.NONE OF THE ABOVE

STATEMENT NO: 290

ANSWER: C.200 TO 300

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**After the Fact**

3. IF THERE IS A SUFFICIENT AMOUNT OF \_\_\_\_\_\_\_\_\_\_ IN SMOKE, THE SMOKE MAY BE EXPLOSIVE.

A.HYDROCARBONS

B.EXPLOSIVE GASES

C.METHANE

D.COAL DUST

E.NONE OF THE ABOVE

STATEMENT NO: 163

ANSWER: A.HYDROCARBONS

6. AFTER A FIRE OR EXPLOSION IN A MINE, RESCUE TEAMS ARE USUALLY NEEDED TO GO INTO THE MINE TO ASSESS AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

VENTILATION.

STATEMENT NO: 311

ANSWER: RE-ESTABLISH

15. OPENING OF SEALS PREMATURELY CAN CAUSE A(N)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OF A FIRE OR AN EXPLOSION.

STATEMENT NO: 265

ANSWER: REIGNITION

32. IN SITUATIONS TOO HAZARDOUS FOR TEAMS TO EXPLORE AND REVENTILATE SAFELY, TEAMS MAY BE INSTRUCTED TO

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 334

ANSWER: SEAL THE AREA

41. IT IS GENERALLY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ THAT TEAMS NOT TRAVEL THROUGH FOAM-FILLED AREAS.

SUGGESTED

A MYTH

ARGUED

RECOMMENDED

ACCEPTED

STATEMENT NO: 322

ANSWER: D. RECOMMENDED

51. THE MAIN OBJECTIVE OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WORK IS TO PUT THE AFFECTED AREA OF THE MINE BACK IN OPERATION AS SOON AS POSSIBLE.

STATEMENT NO: 387

ANSWER: RECOVERY

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Exploration**

8. THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS RESPONSIBLE FOR CHOOSING THE EXACT SITES

WITHIN HEADINGS FOR BUILDING SEALS.

STATEMENT NO: 346

ANSWER: TEAM

12. WHENEVER POSSIBLE, IT IS BEST TO ENTER THE MINE BY WAY OF THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A.SAFEST RETURN AIRWAY

B.CLOSEST AIRWAY

C.SMOKEFREE AIRWAY

D.UNCONTAMINATED AIRWAY

E.NONE OF THE ABOVE

STATEMENT NO: 44

ANSWER: E.NONE OF THE ABOVE

14. "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_" IS THE PROCESS BY WHICH YOU SYSTEMATICALLY EXPLORE ALL CROSSCUTS AND ADJACENT AREAS AS YOU ADVANCE.

STATEMENT NO: 341

ANSWER: TYING IN

22. WHEN LOOKING FOR SURVIVORS, IT IS IMPORTANT TO BOTH LOOK AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FOR CLUES.

STATEMENT NO: 382

ANSWER: LISTEN

33. AFTER GOING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO EXPLORE FOR A FIRE OR TO FIGHT A FIRE, THE TEAM SHOULD KNOW ABOUT ANY POSSIBLE IGNITION SOURCES THAT MAY EXIST IN THE EFFECTED AREA.

STATEMENT NO: 41

ANSWER: UNDERGROUND

43. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ENCOUNTERED DURING EXPLORATION ARE IMPORTANT BECAUSE THEY MAY CONTAIN INFORMATION ABOUT THE WHEREABOUTS OF SURVIVORS.

STATEMENT NO: 251

ANSWER: DINNER BUCKETS

56. BAREFACED EXPLORATION SHOULD \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ONLY WHEN A BACK-UP MINE RESCUE TEAM WITH APPARATUS IS IMMEDIATELY AVAILABLE.

STATEMENT NO: 45

ANSWER: BE ATTEMPTED

69. THE TIME SPENT UNDERGROUND BY A RESCUE TEAM IS USUALLY LIMITED TO \_\_\_\_\_\_\_\_ HOURS OR LESS.

A.4

B.3

C.6

D.2

E.NONE OF THE ABOVE

STATEMENT NO: 381

ANSWER: D.2

83. AS A TEAM ADVANCES, IT IS IMPORTANT TO STAY IN CLOSE CONTACT WITH

THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO REPORT TEAM PROGRESS AND TO RECIEVE

FURTHER INSTRUCTIONS.

STATEMENT NO: 372

ANSWER: FRESH-AIR BASE

84. BEFORE THE TEAM LEAVES THE FRESH-AIR BASE TO TRAVEL INBY, THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHOULD TAKE NOTE OF THE TIME OF DEPARTURE.

STATEMENT NO: 336

ANSWER: CAPTAIN

94. WHEN RESCUE TEAMS TRAVEL IN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, ALL TEAM MEMBERS SHOULD HOLD ONTO THE LIFELINE OR BE LINKED TOGETHER BY MEANS OF A LINKLINE.

STATEMENT NO: 48

ANSWER: SMOKE

101. POOLS OF WATER CAN RELEASE WATER SOLUBLE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ INTO THE AIR WHEN THEY ARE STIRRED UP.

STATEMENT NO: 354

ANSWER: GASES

104. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS THE TERM USED TO DESCRIBE THE PROCESS OF ASSESSING CONDITIONS UNDERGROUND AND LOCATING MINERS.

STATEMENT NO: 43

ANSWER: EXPLORATION

112. INFORMATION THE TEAM RELAYS TO THE FRESH-AIR BASE IT PROCEEDS IS

KNOWN AS THE "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_".

STATEMENT NO: 330

ANSWER: PROGRESS REPORT

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ventilation**

11. MINE RESCUE TEAMS MAY FIND IT NECESSARY TO USE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO SWEEP NOXIOUS OR EXPLOSIVE GASES FROM A FACE

AREA.

STATEMENT NO: 325

ANSWER: LINE BRATTICE

17. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE BUILT BEFORE PERMANENT SEALS ARE ERECTED IN ORDER TO SEAL OFF A FIRE AREA AS QUICKLY AS POSSIBLE.

STATEMENT NO: 317

ANSWER: TEMPORARY SEALS

29. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ VENTILATION IS THE REVENTILATION OF A SEALED AREA IN SUCCESSIVE BLOCKS BY MEANS OF AIR LOCKS.

STATEMENT NO: 266

ANSWER: PROGRESSIVE

31. "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_" ARE DEVICES WHICH MAY BE USED TO ERECT TEMPORARY STOPPINGS.

STATEMENT NO: 260

ANSWER: POGO STICKS

62. TEMPORARY SEALS SHOULD INCLUDE PROVISIONS FOR COLLECTING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FROM THE SEALED AREA.

STATEMENT NO: 263

ANSWER: AIR SAMPLES

72. COPPER TUBES OR PIPES ARE INSERTED IN THE TEMPORARY AND PERMANENT SEALS FOR THE PURPOSE OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FROM THE SEALED AREA.

A.EVALUATING CO READINGS

B.COLLECTING AIR SAMPLES

C.CHECKING EXPLOSIVE MIXTURES

D.MONITORING GASES

E.NONE OF THE ABOVE

STATEMENT NO: 40

ANSWER: B.COLLECTING AIR SAMPLES

74. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE USED TO PERMIT TWO AIR CURRENTS TO CROSS WITHOUT THE INTAKE AIR SHORT-CIRCUITING TO THE RETURN.

STATEMENT NO: 340

ANSWER: OVERCASTS

80. THE FRESH-AIR BASE SHOULD BE LOCATED WHERE IT'S ASSURED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ VENTILATION AND FRESH AIR.

STATEMENT NO: 370

ANSWER: POSITIVE

91. ONCE VENTILATION HAS BEEN RE-ESTABLISHED AND FRESH AIR ADVANCED, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CREWS CAN TAKE OVER THE REHABILITATION AND CLEANUP EFFORTS.

STATEMENT NO: 327

ANSWER: NONAPPARATUS

105. TEMPORARY STOPPINGS BUILT IN A CROSSCUT SHOULD BE PLACED AT LEAST \_\_\_\_\_\_\_\_\_\_\_\_ INTO THE CROSSCUT IN ORDER THAT SUFFICIENT SPACE IS AVAILABLE TO CONSTRUCT A PERMANENT STOPPING.

A.4 TO 6 FEET

B.3 TO 5 FEET

C.3 TO 6 FEET

D.5 TO 10 FEET

E.NONE OF THE ABOVE

STATEMENT NO: 259

ANSWER: A.4 TO 6 FEET

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Explosions**

16. EXPLOSIONS IN COAL MINES ARE MOST OFTEN CAUSED BY IGNITIONS OF METHANE, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, OR A COMBINATION OF THE TWO.

STATEMENT NO: 27

ANSWER: COAL DUST

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Basics**

18. THE SECOND PRIORITY OF RESCUE AND RECOVERY OPERATIONS IS THE RESCUE OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 16

ANSWER: SURVIVORS

21. IN MINES WHERE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (ROOF COAL) IS LEFT, A FIRE WILL SPREAD MORE RAPIDLY.

A. HEAD COAL

B. ROOSTER COAL

C. PEACOCK COAL

D. SPARROW COAL

E. HENWAY COAL

STATEMENT NO: 318

ANSWER: A. HEAD COAL

23. GASES WITH SPECIFIC GRAVITIES LESS THAN \_\_\_\_\_\_\_\_\_\_\_\_\_ TEND TO SEEK HIGH PLACES.

STATEMENT NO: 364

ANSWER: 1.0

26. DURING EXPLORATION, TEAMS WILL WORK ACCORDING TO A \_\_\_\_\_\_\_\_\_\_\_\_\_\_ SCHEDULE.

A. FIRST COME

B. MOST RESTED

C. REVERSE

D. ROTATION

E.NONE OF THE ABOVE

STATEMENT NO: 20

ANSWER: D. ROTATION

34. YOUR CAPTAIN MAY ORDER THE TEAM TO RETURN IMMEDIATELY TO THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IF A TEAM MEMBER'S APPARATUS MALFUNCTIUONS.

STATEMENT NO: 252

ANSWER: FRESH-AIR BASE

36. \_\_\_\_\_\_\_\_\_\_\_\_\_\_PULLS ON THE LIFELINE MEANS THAT THE RESCUE TEAM IS GOING TO RETREAT, MOVE TOWARD THE NO. 5 PERSON (LAST PERSON).

STATEMENT NO: 12

ANSWER: THREE

44. BEFORE A RESCUE TEAM GOES UNDERGROUND, IT WILL ATTEND A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. UNION MEETING

B. GOING AWAY PARTY

C. BRIEFING SESSION

D. MEMORIAL SERVICE

E. ALL OF THE ABOVE

STATEMENT NO: 130

ANSWER: C. BRIEFING SESSION

67. FOUR PULLS ON THE LIFELINE MEANS THAT THE RESCUE TEAM IS IN DISTRESS OR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 13

ANSWER: EMERGENCY

64. THE FRESH-AIR BASE IS THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FROM WHICH THE RESCUE AND RECOVERY TEAMS CAN ADVANCE INTO IRRESPIRABLE ATMOSPHERES.

STATEMENT NO: 47

ANSWER: BASE OF OPERATIONS

76. THE TEAM SHOULD MAKE SURE THE MAIN FAN IS RUNNING, A GUARD IS MONITORING THE OPERATION OF THE FAN, AND TESTS ARE BEING MADE AT THE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FOR ANY GASES THAT MAY BE PRESENT IN THE MINE, BEFORE THEY GO UNDERGROUND.

STATEMENT NO: 42

ANSWER: MAIN RETURN

78. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS ESTABLISHED AT THE POINT WHERE CONDITIONS NO LONGER PERMIT BAREFACED EXPLORATION.

STATEMENT NO: 21

ANSWER: FRESH AIR BASE

79. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS A SESSION HELD WHEN A TEAM RETURNS TO THE SURFACE AFTER COMPLETING AN ASSIGNMENT TO REVIEW WHAT THEY SAW AND DID.

STATEMENT NO: 253

ANSWER: DEBRIEFING

82. BEFORE PUTTING ON THE APPARARUS, IT SHOULD BE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND PROPERLY PREPARED FOR USE.

STATEMENT NO: 25

ANSWER: PROPERLY TESTED

90. THE FIRST PRIORITY OF RESCUE AND RECOVERY OPERATIONS IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 15

ANSWER: TEAM SAFETY

96. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AREAS SHOULD BE MARKED TO WARN OTHER TEAMS THAT MAY ENTER THE AREA AFTER YOURS.

STATEMENT NO: 378

ANSWER: HAZARDOUS

109. UNDER NO CIRCUMSTANCES SHOULD VENTILATION BE ALTERED WITHOUT ORDERS TO DO SO FROM THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. FRESH AIR BASE

B. MINE OFFICIALS

C. CHIEF MSHA OFFICIAL

D. COMMAND CENTER

E.NONE OF THE ABOVE

STATEMENT NO: 8

ANSWER: D

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mine Fires**

28. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CONSISTS OF TINY PARTICLES OF SOLID AND LIQUID MATTER SUSPENDED IN THE AIR.

STATEMENT NO: 24

ANSWER: SMOKE

75. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OR COKE STREAMERS, IF ENCOUNTERED, SHOULD BE

REPORTED IN LOCATION AND SIZE.

STATEMENT NO: 380

ANSWER: COKING

81. THE PURPOSES OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A MINE FIRE ARE TO CONTAIN THE FIRE TO A SPECIFIC AREA AND TO EXCLUDE OXYGEN FROM THE FIRE AND EVENTUALLY SMOTHER IT.

STATEMENT NO: 6

ANSWER: SEALING

111. A MONOAMMONIUM PHOSPHATE EXTINGUISHER IS EFFECTIVE IN FIGHTING CLASS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FIRE(S).

STATEMENT NO: 35

ANSWER: A, B, AND C

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Bodies & Survivors**

42. WHEN A BODY IS FIRST LOCATED, EVERY EFFORT SHOULD BE MADE NOT TO DISTURB ANY POSSIBLE \_\_\_\_\_\_\_\_\_\_\_\_\_\_ IN THE AREA.

STATEMENT NO: 333

ANSWER: EVIDENCE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**It’s Above You (Roof Control)**

103. SOMETIMES WHAT SEEMS LIKE AN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS ACTUALLY A MAJOR ROOF FALL, OR A ROCK BUMP OR ROCK BUST.

STATEMENT NO: 29

ANSWER: EXPLOSION

77. ONE HAZARD OF HEAT DURING A FIRE IS THAT IT TENDS TO WEAKEN THE ROOF, ESPECIALLY WHERE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS LEFT.

A. ROOF SUPPORT

B. HEAD COAL

C. NO ROOF SUPPORT

D. MINE EQUIPMENT

E. ANY SMOKING ARTICLE

STATEMENT NO: 319

ANSWER: B. HEAD COAL

59. THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHOULD BE TESTED BEFORE EXTINGUISHING A FIRE.

STATEMENT NO: 179

ANSWER: ROOF AND RIBS

55. TEAM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHOULD INSPECT ROOF AND RIBS BEFORE THE TEAM MEMBERS ADVANCE INTO THE AREA.

STATEMENT NO: 375

ANSWER: CAPTAINS

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Before & After**

107. ALL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SEALS SHOULD BE WELL HITCHED IN THE ROOF, FLOOR AND RIBS TO IMPROVE THEIR STRENGTH.

STATEMENT NO: 389

ANSWER: PERMANENT

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

106. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HAS A REDDISH-BROWN COLOR IN HIGH CONCENTRATIONS.

STATEMENT NO: 274

ANSWER: NITROGEN DIOXIDE

113. WHEN TAKING A READING WITH A(N)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A COMMONLY

USED METHOD IS TO TRAVERSE THE AIRWAY.

STATEMENT NO: 255

ANSWER: ANEMOMETER

114. THE \_\_\_\_\_\_\_\_\_ PRIORITY OF RESCUE AND RECOVERY OPERATIONS IS THE

RECOVERY OF THE MINE.

STATEMENT NO: 17

ANSWER: THIRD

115. IT IS HARDER TO REMOVE A CONCENTRATION OF A LIGHT GAS LIKE METHANE

BY VENTILATION THAN IT IS TO REMOVE THE SAME CONCENTRATION OF A HEAVIER

GAS LIKE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 315

ANSWER: CARBON DIOXIDE

116. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CAN BE LIBERATED WHEN WATER OR STEAM COMES IN

CONTACT WITH HOT CARBON MATERIALS.

A.OXYGEN

B.HYDROGEN DIOXIDE

C.CARBON MONOIDE

D.HYDROGEN

E.NONE OF THE ABOVE

STATEMENT NO: 22

ANSWER: D.HYDROGEN

117. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE GASES WHICH CAUSE SUFFOCATION OR

CHOKING.

STATEMENT NO: 359

ANSWER: ASPHYXIANTS

118. TOXIC GASES ARE PRODUCED BY BURNING RUBBER, NEOPRENE, OR

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 33

ANSWER: POLYVINYL CHLORIDE

119. SOMETIMES WHAT SEEMS LIKE AN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS ACTUALLY A

MAJOR ROOF FALL, OR A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OR ROCK BUST.

STATEMENT NO: 229

ANSWER: EXPLOSION, ROCK BUMP

120. PERMANENT SEALS SHOULD BE WELL-HITCHED IN THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ,

FLOOR, AND RIBS TO MAKE THEM AS AIRTIGHT AS POSSIBLE.

STATEMENT NO: 4

ANSWER: ROOF

121. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS A MIXTURE OF CARBON DIOXIDE, NITROGEN, AND

AIR WHICH IS OXYGEN DEFICIENT.

STATEMENT NO: 295

ANSWER: BLACKDAMP

122. "CLASS A" FIRES ARE BEST EXTINGUISHED BY COOLING WITH WATER OR BY

BLANKETING WITH CERTAIN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 10

ANSWER: DRY CHEMICALS.

123. WHEN YOU HAVE LOCATED A BARRICADE, YOU SHOULD TRY TO DETERMINE

WHETHER THE MINERS INSIDE ARE STILL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 261

ANSWER: ALIVE AND CONSCIOUS

124. THE FRESH AIR BASE SHOULD BE SITUATED WHERE IT CAN BE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO THE OUTSIDE BY MEANS OF A COMMUNICATION SYSTEM.

STATEMENT NO: 226

ANSWER: LINKED

125. "CLASS A" FIRES ARE BEST EXTINGUISHED BY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WITH

WATER OR BY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WITH CERTAIN DRY CHEMICALS.

STATEMENT NO: 210

ANSWER: COOLING, BLANKETING

126. \_\_\_\_\_\_\_\_\_\_\_\_ PULL ON THE LIFELINE MEANS THAT THE RESCUE TEAM WANTS

TO STOP.

STATEMENT NO: 9

ANSWER: ONE

127. WHEN SEALING A MINE FIRE YOU SHOULD BE CAREFUL TO INSURE THAT THERE

ARE NO ABRUPT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IN THE VENTILATION OVER THE FIRE AREA.

STATEMENT NO: 38

ANSWER: CHANGES

128. TWO PULLS ON THE LIFELINE MEANS THAT THE RESCUE TEAM IS GOING

TO\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, MOVE TOWARD THE CAPTAIN.

STATEMENT NO: 11

ANSWER: ADVANCE

129. THE MAIN OBJECTIVES OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WORK DURING A MINE

FIRE ARE LOCATING THE FIRE AND ASSESSING CONDITIONS IN THE FIRE AREA.

STATEMENT NO: 394

ANSWER: EXPLORATION

130. A MINE RESCUE AND RECOVERY OPERATION CONSISTS OF A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

OF PEOPLE AND SERVICES TO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ THE ENTIRE OPERATION.

STATEMENT NO: 231

ANSWER: NETWORK, DIRECT, SUPPORT

131. THE PURPOSES OF SEALING A MINE FIRE ARE TO CONTAIN THE FIRE TO A

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AREA AND TO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OXYGEN FROM THE

FIRE AND EVENTUALLY SMOTHER IT.

STATEMENT NO: 206

ANSWER: SPECIFIC, EXCLUDE

132. THE FIRST INDICATION OF AN EXPLOSION MAY BE REPORTS FROM MINERS WHO

FELT A SUDDEN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OF AIR, NOTICE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, OR

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OF THE EXPLOSION.

STATEMENT NO: 228

ANSWER: MOVEMENT, SMOKE OR DUST, HEARD THE SOUND

133. THE MOST POSITIVE INDICATOR OF THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OF AN

EXPLOSION IS THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IN WHICH BLOCKS HAVE BEEN

MOVED IN OR FROM STOPPINGS ACROSS ENTRIES NEAR INTERSECTIONS.

STATEMENT NO: 366

ANSWER: ORIGIN, DIRECTION

134. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS AN EXAMPLE OF A CLASS A FIRE.

STATEMENT NO: 214

ANSWER: BURNING WOOD

135. BAREFACED EXPLORATION SHOULD STOP AT ANY POINT WHERE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IN VENTILATION ARE FOUND.

STATEMENT NO: 219

ANSWER: DISRUPTIONS

136. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CONSISTS OF TINY PARTICLES OF SOLID AND LIQUID

MATTER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IN THE AIR.

STATEMENT NO: 224

ANSWER: SMOKE, SUSPENDED

137. WHEN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A MINE FIRE YOU SHOULD BE CAREFUL TO

INSURE THAT THERE ARE NO ABRUPT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IN THE VENTILATION

OVER THE FIRE AREA.

STATEMENT NO: 238

ANSWER: SEALING, CHANGES

138. IF THE FRESH-AIR BASE IS UNDERGROUND, IT SHOULD BE LOCATED WHERE

IT'S ASSURED A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO

THE SURFACE.

STATEMENT NO: 171

ANSWER: FRESH AIR TRAVELWAY

139. WHEN FIRES ARE SEALED IN GASSY OR DUSTY MINES, A THICK COATING OF

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHOULD BE APPLIED TO THE RIBS, ROOF, AND FLOOR

FOR SEVERAL HUNDRED FEET OUTBY THE SEALS, AND IF POSSIBLE, INSIDE THE

SEAL, TO REDUCE THE CHANCE OF A DUST EXPLOSION

STATEMENT NO: 393

ANSWER: ROCK DUST

140. BEFORE OPENING AND TRAVELING THROUGH ANY STOPPING INBY WHICH

CONDITIONS ARE NOT DEFINITELY KNOWN, YOU SHOULD FIRST ERECT A TEMPORARY

STOPPING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 49

ANSWER: OUTBY

141. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_IS MOST SUCCESSFULLY USED TO FIGHT A FIRE BY

APPLYING IT BY HAND OR BY SHOVELING IT ONTO THE FIRE.

STATEMENT NO: 2

ANSWER: ROCKDUST

142. IN SOME MINES CARBON \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS LIBERATED FROM THE ROCK

STRATA.

STATEMENT NO: 100

ANSWER: DIOXIDE

143. FIRES CAN BE ATTACKED BY THE USE OF A FOAM GENERATOR FROM A

DISTANCE OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FEET.

A.1000 TO 1500

B.250 TO 500

C.750 TO 1000

D.500 TO 1000

E.NONE OF THE ABOVE

STATEMENT NO: 122

ANSWER: E.NONE OF THE ABOVE

144. IN SOME MINES CARBON \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS LIBERATED FROM THE ROCK

STRATA.

STATEMENT NO: 299

ANSWER: DIOXIDE

145. FIRES CAN BE ATTACKED BY THE USE OF A FOAM GENERATOR FROM A

DISTANCE OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FEET.

A.1000 TO 1500

B.250 TO 500

C.750 TO 1000

D.500 TO 1000

E.NONE OF THE ABOVE

STATEMENT NO: 321

ANSWER: E.NONE OF THE ABOVE

146. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS A COMPLETELY PORTABLE

UNIT THAT SUPPLIES OXYGEN OR AIR INDEPENDENTLY OF THE SURROUNDING

ATMOSPHERE.

STATEMENT NO: 395

ANSWER: SELF-CONTAINED BREATHING APPARATUS

147. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND HYDROGEN SULFIDE ARE WATER SOLUBLE

GASES.

STATEMENT NO: 355

ANSWER: SULFER DIOXIDE

148. THE PURPOSE OF A(N)\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS TO SEPARATE TWO DIFFERENT

ATMOSPHERES WHILE STILL PERMITTING MINERS TO ENTER AND EXIT WITHOUT

MIXING THE ATMOSPHERES.

A.TEMPORARY STOPPING

B.PERMENANT STOPPING

C.CHECK CURTAIN

D.AIR LOCK

E.NONE OF THE ABOVE

STATEMENT NO: 258

ANSWER: D.AIR LOCK

149. SEALS IN HIGH VOLATILE COALBEDS ARE OFTEN PLACED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

OR MORE FROM THE FIRE AREA.

STATEMENT NO: 37

ANSWER: 1000 FEET

150. AN INDICATION OF AN EXPLOSION MAY BE A(N)\_\_\_\_\_\_\_\_\_\_\_ IN THE

PRESSURE RECORDING CHART FOR THE MAIN FAN.

A.DECREASE

B.VARIATION

C.JUMP

D.GRADUAL CHANGE

E.NONE OF THE ABOVE

STATEMENT NO: 30

ANSWER: C.JUMP

151. AFTER GOING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO EXPLORE FOR A FIRE OR TO

FIGHT A FIRE, THE TEAM SHOULD KNOW ABOUT ANY POSSIBLE IGNITION SOURCES

THAT MAY EXIST IN THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AREA.

STATEMENT NO: 241

ANSWER: UNDERGROUND, EFFECTED

152. DURING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, TEAMS WILL WORK ACCORDING TO A

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SCHEDULE.

STATEMENT NO: 220

ANSWER: EXPLORATION, ROTATION

153. ROCK DUST IS MOST SUCCESSFULLY USED TO FIGHT A FIRE BY APPLYING IT

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IT ONTO THE FIRE.

STATEMENT NO: 202

ANSWER: BY HAND OR BY SHOVELING

154. CARBON \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS NONEXPLOSIVE.

STATEMENT NO: 284

ANSWER: DIOXIDE

155. MINES ABOVE THE WATER TABLE TEND TO HAVE LESS

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ THAN THOSE BELOW THE WATER TABLE.

STATEMENT NO: 310

ANSWER: METHANE

156. IT IS IMPORTANT THAT THE TEAM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ITS WORK SO THAT

IT CAN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO THE FRESH-AIR BASE ON TIME.

STATEMENT NO: 145

ANSWER: PACE, RETURN

157. THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ EXPLOSIVE LIMIT OF CARBON MONOXIDE IS

12.5 PERCENT.

STATEMENT NO: 154

ANSWER: LOWER

158. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHOULD BE BUILT AT LOCATIONS WITH GOOD ROOF AND

EVEN ROOF AND RIBS.

STATEMENT NO: 391

ANSWER: SEALS

159. WHEN SURVIVORS ARE LOCATED, THEIR LOCATION, IDENTITIES AND

CONDITION SHOULD BE REPORTED IMMEDIATELY TO THE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 384

ANSWER: COMMAND CENTER

160. OXYGEN HAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 277

ANSWER: NO ODOR

161. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ EXPLORATION SHOULD STOP AT ANY POINT WHERE

DISRUPTIONS IN VENTILATION ARE FOUND.

STATEMENT NO: 19

ANSWER: BAREFACED

162. RESCUE TEAMS SHOULD BUILD A(N) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SO THAT TWO

STOPPINGS ARE ERECTED AS CLOSE TOGETHER AS POSSIBLE YET WITH ENOUGH

SPACE TO ALLOW ROOM FOR THE TEAM AND THEIR EQUIPMENT TO FIT IN BETWEEN.

STATEMENT NO: 170

ANSWER: AIRLOCK

163. PERMANENT SEALS SHOULD BE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IN THE ROOF,

FLOOR, AND RIBS TO MAKE THEM AS AIRTIGHT AS POSSIBLE.

STATEMENT NO: 204

ANSWER: WELL-HITCHED

164. RESCUE TEAMS SHOULD BUILD A(N) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SO THAT TWO

STOPPINGS ARE ERECTED AS CLOSE TOGETHER AS POSSIBLE YET WITH ENOUGH

SPACE TO ALLOW ROOM FOR THE TEAM AND THEIR EQUIPMENT TO FIT IN BETWEEN.

STATEMENT NO: 368

ANSWER: AIRLOCK

165. IN ORDER TO MAINTAIN AN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, ONE DOOR OF THE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MUST BE KEPT CLOSED WHILE THE OTHER IS OPENED.

STATEMENT NO: 169

ANSWER: AIRLOCK, AIRLOCK

166. THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PRIORITY OF RESCUE AND RECOVERY OPERATIONS

IS THE RECOVERY OF THE MINE.

STATEMENT NO: 217

ANSWER: THIRD

167. RESCUE TEAMS ARE RESPONSIBLE FOR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO THE VENTILATION SYSTEM.

STATEMENT NO: 129

ANSWER: ASSESSING DAMAGE

168. ELECTRICAL FIRES ARE CLASS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FIRES.

STATEMENT NO: 7

ANSWER: C

169. ANY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ GAS CAN EXPLODE UNDER CERTAIN

CONDITIONS.

STATEMENT NO: 314

ANSWER: FLAMMABLE

170. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE USED IN MINE VENTILATION TO REGULATE

AIRFLOW TO MEET THE INDIVIDUAL NEEDS OF EACH AIR SPLIT.

STATEMENT NO: 339

ANSWER: REGULATORS

171. CARBON MONOXIDE IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. EXPLOSIVE

B. NOT METHANE'S FRIEND

C. NOT CONSIDERED A MINE GAS

D. THE PRODUCT OF COMPLETE COMBUSTION

E. HARD TO SPELL

STATEMENT NO: 73

ANSWER: A. EXPLOSIVE

172. CARBON MONOXIDE CAN BE DETECTED BY MEANS OF CARBON MONOXIDE

DETECTORS, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, OR BY CHEMICAL ANALYSIS.

STATEMENT NO: 104

ANSWER: MULTI-GAS DETECTORS

173. CARBON MONOXIDE IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. EXPLOSIVE

B. NOT METHANE'S FRIEND

C. NOT CONSIDERED A MINE GAS

D. THE PRODUCT OF COMPLETE COMBUSTION

E. HARD TO SPELL

STATEMENT NO: 273

ANSWER: A. EXPLOSIVE

174. CARBON MONOXIDE CAN BE DETECTED BY MEANS OF CARBON MONOXIDE

DETECTORS, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, OR BY CHEMICAL ANALYSIS.

STATEMENT NO: 303

ANSWER: MULTI-GAS DETECTORS

175. TEAM MEMBERS SHOULD REFRAIN FROM DRINKING ALCOHOLIC BEVERAGES FOR

AT LEAST \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ HOURS BEFORE THEY GET UNDER

OXYGEN.

STATEMENT NO: 218

ANSWER: 12 TO 18

176. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ VENTILATION IS THE REVENTILATION OF AN ENTIRE

SEALED AREA AT ONCE.

STATEMENT NO: 267

ANSWER: DIRECT

177. THE RECOMMENDED EXTINGUISHER FOR MINE RECUE TEAMS IS A DRY CHEMICAL

TYPE THAT CONTAINS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 34

ANSWER: MONOAMMONIUM PHOSPHATE

178. THE SPECIFIC GRAVITY OF CARBON MONOXIDE IS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 93

ANSWER: 0.9672

179. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FOAM IS AN EFFECTIVE SEALANT WHEN USED

AROUND THE PERIMETER OF A SEAL.

STATEMENT NO: 190

ANSWER: URETHANE

180. THE SPECIFIC GRAVITY OF CARBON MONOXIDE IS\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 292

ANSWER: 0.9672

181. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FOAM IS AN EFFECTIVE SEALANT WHEN USED

AROUND THE PERIMETER OF A SEAL.

STATEMENT NO: 388

ANSWER: URETHANE

182. THE FIRST INDICATION OF AN EXPLOSION MAY BE REPORTS FROM MINERS WHO

FELT A SUDDEN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OF AIR, NOTICE SMOKE OR DUST, OR HEARD

THE SOUND OF THE EXPLOSION.

STATEMENT NO: 28

ANSWER: MOVEMENT

183. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS THE ABILITY OF A GAS TO BE DISSOLVED IN

WATER.

STATEMENT NO: 353

ANSWER: SOLUBILITY

184. NORMAL AIR HAS A SPECIFIC GRAVITY OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 70

ANSWER: ONE

185. CARBON DIOXIDE HAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. A PURPLE HAZE.

B. NO COLOR.

C. AN ODOR OF ROTTEN EGGS.

D. TOXIC QUALITIES.

E. NONE OF THE ABOVE.

STATEMENT NO: 71

ANSWER: B. NO COLOR

186. NORMAL AIR HAS A SPECIFIC GRAVITY OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 270

ANSWER: ONE

187. CARBON DIOXIDE HAS \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. A PURPLE HAZE.

B. NO COLOR.

C. AN ODOR OF ROTTEN EGGS.

D. TOXIC QUALITIES.

E. NONE OF THE ABOVE.

STATEMENT NO: 271

ANSWER: B. NO COLOR

188. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS A MIXTURE OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

IN AIR THAT WILL BURN OR EXPLODE WHEN IGNITED.

STATEMENT NO: 360

ANSWER: FIREDAMP, METHANE

189. WHEN SURVIVORS ARE FOUND, THEY SHOULD BE TRANSPORTED TO SAFETY AND

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AS QUICKLY AS POSSIBLE.

STATEMENT NO: 188

ANSWER: FRESH AIR

190. THREE ELEMENTS MUST BE PRESENT FOR AN EXPLOSION TO OCCUR:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 201

ANSWER: FUEL, OXYGEN, AND HEAT (IGNITION)

191. WHEN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE FOUND, THEY SHOULD BE

TRANSPORTED TO SAFETY AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AS QUICKLY AS

POSSIBLE.

STATEMENT NO: 386

ANSWER: SURVIVORS, FRESH AIR

192. WHEN \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE LOCATED, THE LOCATION, TIME AND

DATE SHOULD BE MARKED ON THE TEAM'S MAP AND THE RIB WHERE THEY ARE

FOUND.

HUMANS

BODIES

SURVIVORS

MINERS

INJURED VICTIMS

STATEMENT NO: 385

ANSWER: C. SURVIVORS

193. IN POTENTIALLY EXPLOSIVE ATMOSPHERES, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

NAILS, AND SPADS SHOULD BE USED.

STATEMENT NO: 56

ANSWER: NON-SPARKING

194. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS FORMED WHEN METHANE IS BURNED OR HEATED IN

AIR HAVING A LOW OXYGEN CONTENT.

A.FORMELDAHYDE

B.HYDROGEN SULFIDE

C.CARBON MONOXIDE

D.ACETYLENE

E.NONE OF THE ABOVE

STATEMENT NO: 87

ANSWER: D.ACETYLENE

195. IN POTENTIALLY EXPLOSIVE ATMOSPHERES, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,

NAILS, AND SPADS SHOULD BE USED.

STATEMENT NO: 256

ANSWER: NON-SPARKING

196. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS FORMED WHEN METHANE IS BURNED OR HEATED IN

AIR HAVING A LOW OXYGEN CONTENT.

A.FORMELDAHYDE

B.HYDROGEN SULFIDE

C.CARBON MONOXIDE

D.ACETYLENE

E.NONE OF THE ABOVE

STATEMENT NO: 286

ANSWER: D.ACETYLENE

197. COLOR, ODOR AND TASTE ARE \_\_\_\_\_\_\_\_\_\_\_\_\_ THAT HELP TO IDENTIFY GASES

DURING BAREFACED EXPLORATION.

A.RELIABLE INDICATORS

B.NOT RELIABLE INDICATORS

C.PHYSICAL PROPERTIES

D.REQUIRED PROPERTIES

E.NONE OF THE ABOVE

STATEMENT NO: 356

ANSWER: C.PHYSICAL PROPERTIES

198. SMALL HYDROGEN EXPLOSIONS, KNOWN AS HYDROGEN "\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_" ARE

FAIRLY COMMON IN FIREFIGHTING.

STATEMENT NO: 320

ANSWER: POPS

199. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS THE PRODUCT OF OXIDATION INCLUDING THE

DECAY OF TIMBERS.

STATEMENT NO: 94

ANSWER: CARBON DIOXIDE

200. HYDROGEN CAN BE DETECTED WITH A MULTI-GAS DETECTOR OR BY

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 99

ANSWER: CHEMICAL ANALYSIS

201. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS THE PRODUCT OF OXIDATION INCLUDING THE

DECAY OF TIMBERS.

STATEMENT NO: 293

ANSWER: CARBON DIOXIDE

202. HYDROGEN CAN BE DETECTED WITH A MULTI-GAS DETECTOR OR BY

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 298

ANSWER: CHEMICAL ANALYSIS

203. ONE AND ONE HALF TO \_\_\_\_\_\_\_\_\_\_\_\_\_ PERCENT METHANE TOGETHER WITH

COAL DUST IN AIR MAY BE EXPLOSIVE.

STATEMENT NO: 309

ANSWER: TWO

204. FOR TEAMS USING A COMPRESSED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BREATHING APPARATUS,

THE CAPTAIN USUALLY NOTES EACH TEAM MEMBER'S GAUGE READING AT EACH REST

STOP AND REPORTS THE LOWEST READING TO THE FRESH-AIR BASE.

STATEMENT NO: 350

ANSWER: OXYGEN

205. A SMOKE TUBE IS USED TO SHOW THE DIRECTION AND VELOCITY OF

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 254

ANSWER: SLOW MOVING AIR

206. THE FIRST PRIORITY OF RESCUE AND RECOVERY OPERATIONS IS

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 215

ANSWER: TEAM SAFETY

207. AN INDICATION OF AN EXPLOSION MAY BE A JUMP IN THE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FOR THE MAIN FAN.

STATEMENT NO: 230

ANSWER: PRESSURE RECORDING CHART

208. TEAM MEMBERS SHOULD REFRAIN FROM DRINKING ALCOHOLIC BEVERAGES FOR

AT LEAST \_\_\_\_\_\_\_\_\_\_\_\_\_ HOURS BEFORE THEY GET UNDER OXYGEN.

A. 12 TO 18

B. 6 TO 10

C. 10 TO 12

D. 8 TO 12

E.NONE OF THE ABOVE

STATEMENT NO: 18

ANSWER: A. 12 TO 18

209. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CAUSES A LACK OF ORIENTATION WHICH MAY CAUSE A TEAM

MEMBER TO LOSE HIS/HER SENSE OF BALANCE.

A.CARBON MONOXIDE POISONING

B.OXYGEN DEFIENCY

C.SMOKE

D.ALL OF THE ABOVE

E.NONE OF THE ABOVE

STATEMENT NO: 347

ANSWER: C.SMOKE

210. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS ESTABLISHED AT THE POINT WHERE

CONDITIONS NO LONGER PERMIT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ EXPLORATION.

STATEMENT NO: 221

ANSWER: FRESH AIR BASE, BAREFACED

211. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FIREFIGHTING METHODS ALLOW FIREFIGHTERS TO

REMAIN A SAFE DISTANCE FROM THE FIRE.

STATEMENT NO: 316

ANSWER: INDIRECT

212. CLASS \_\_\_\_\_\_\_\_\_\_\_ FIRES INVOLVE COMBUSTIBLE METALS.

STATEMENT NO: 349

ANSWER: "D"

213. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MUST BE TAKEN IN THE RETURNS NEAR THE FIRE

AREA TO DETERMINE IF THE MINE ATMOSPHERE IS POTENTIALLY EXPLOSIVE.

A.CO READINGS

B.METHANE READINGS

C.EXPLOSIVE MIXTURES READINGS

D.OXYGEN READINGS

E.NONE OF THE ABOVE

STATEMENT NO: 32

ANSWER: E.NONE OF THE ABOVE

214. ABOUT \_\_\_\_\_\_\_\_\_\_\_\_\_% OF NORMAL AIR IS OXYGEN.

STATEMENT NO: 95

ANSWER: 21

215. BREATHING AIR CONTAINING \_\_\_\_\_\_\_\_\_\_\_ PERCENT CARBON DIOXIDE CAUSES

VIOLENT PANTING AND CAN LEAD TO DEATH.

A. 5

B. 1

C. 10

D. 15

E.NONE OF THE ABOVE

STATEMENT NO: 107

ANSWER: C. 10

216. ABOUT \_\_\_\_\_\_\_\_\_\_\_\_\_% OF NORMAL AIR IS OXYGEN.

STATEMENT NO: 294

ANSWER: 21

217. BREATHING AIR CONTAINING \_\_\_\_\_\_\_\_\_\_\_ PERCENT CARBON DIOXIDE CAUSES

VIOLENT PANTING AND CAN LEAD TO DEATH.

A. 5

B. 1

C. 10

D. 15

E.NONE OF THE ABOVE

STATEMENT NO: 306

ANSWER: C. 10

218. THE LOWER EXPLOSIVE LIMIT OF HYDROGEN IS \_\_\_\_\_\_\_\_\_\_\_ PERCENT.

A.4.0

B.3.0

C.4.2

D.5.0

E.NONE OF THE ABOVE

STATEMENT NO: 282

ANSWER: A. 4.0

219. THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PRIORITY OF RESCUE AND RECOVERY

OPERATIONS IS THE RESCUE OF SURVIVORS.

STATEMENT NO: 216

ANSWER: SECOND

220. HYDROGEN CAN BE LIBERATED WHEN WATER OR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ COMES IN

CONTACT WITH \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MATERIALS.

STATEMENT NO: 222

ANSWER: STEAM, HOT CARBON

221. FOUR PULLS ON THE LIFELINE MEANS THAT THE RESCUE TEAM IS IN

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 213

ANSWER: DISTRESS OR EMERGENCY

222. SUFFICIENT TIME SHOULD BE ALLOWED FOR A FIRE AREA TO

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BEFORE IT IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 68

ANSWER: COOL, UNSEALED

223. NEW MINE RESCUE TEAM MEMBERS MUST HAVE AT LEAST \_\_\_\_\_\_\_\_\_\_\_\_ OF

INSTRUCTION ON THE BREATHING APPARATUS USED BY THE TEAM.

A.40 HOURS

B.8 HOURS

C.20 HOURS

D.16 HOURS

E.NONE OF THE ABOVE

STATEMENT NO: 137

ANSWER: C.20 HOURS

224. A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OF A RESCUE TEAM MUST BE EXAMINED BY A

PHYSICIAN AT LEAST \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 203

ANSWER: MEMBER, ANNUALLY

225. \_\_\_\_\_\_\_\_\_\_\_\_\_\_PULLS ON THE LIFELINE MEANS THAT THE RESCUE TEAM IS

GOING TO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, MOVE TOWARD THE NO. 5 PERSON (LAST

PERSON).

STATEMENT NO: 212

ANSWER: THREE, RETREAT

226. NEW MINE RESCUE TEAM MEMBERS MUST HAVE AT LEAST \_\_\_\_\_\_\_\_\_\_\_\_ OF

INSTRUCTION ON THE BREATHING APPARATUS USED BY THE TEAM.

A.40 HOURS

B.8 HOURS

C.20 HOURS

D.16 HOURS

E.NONE OF THE ABOVE

STATEMENT NO: 335

ANSWER: C.20 HOURS

227. HIGH TEMPERATURES (OR HEAT) CAUSES GASES TO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SO

THEY DIFFUSE MORE QUICKLY.

STATEMENT NO: 113

ANSWER: EXPAND

228. ONCE AN EXPLOSION HAS OCCURRED, THERE IS ALWAYS THE POSSIBILITY OF

FURTHER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

IGNITIONS

HYDROGEN POPS

EXPLOSIONS

DAMAGE

NONE OF THE ABOVE

STATEMENT NO: 125

ANSWER: C. EXPLOSIONS

229. THE BASIC PRINCIPLE OF MINE VENTILATION IS THAT AIR ALWAYS MOVES

FROM LOW TO HIGH \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 164

ANSWER: PRESSURE REGIONS

230. UNDER NO CIRCUMSTANCES SHOULD VENTILATION BE ALTERED WITHOUT ORDERS

TO DO SO FROM THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 208

ANSWER: COMMAND CENTER

231. ONCE AN EXPLOSION HAS OCCURRED, THERE IS ALWAYS THE POSSIBILITY OF

FURTHER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

IGNITIONS

HYDROGEN POPS

EXPLOSIONS

DAMAGE

NONE OF THE ABOVE

STATEMENT NO: 324

ANSWER: C. EXPLOSIONS

232. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TEMPERATURES (OR HEAT) CAUSES GASES TO

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SO THEY DIFFUSE MORE QUICKLY.

STATEMENT NO: 312

ANSWER: HIGH, EXPAND

233. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FIRES ARE CLASS C FIRES.

STATEMENT NO: 207

ANSWER: ELECTRICAL

234. WHEN REPORTING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO THE FRESH AIR BASE,

BE SURE YOU ARE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND CORRECTLY IDENTIFYING

LOCATIONS.

STATEMENT NO: 345

ANSWER: ANYTHING, CLEARLY

235. IT IS THE RESPONSIBILITY OF RESCUE TEAM MEMBERS TO HAVE ALL THE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ NEEDED TO DO THE WORK.

STATEMENT NO: 132

ANSWER: INFORMATION

236. IT IS RECOMMEDED THAT THE FIRST STOP FOR A TEAM CHECK BE JUST INBY

THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 338

ANSWER: FRESH-AIR BASE

237. BEFORE USING A HAND-HELD EXTINGUISHER IT MUST BE CHECKED FOR THE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ YOU ARE FIGHTING.

STATEMENT NO: 153

ANSWER: TYPE OF FIRE

238. ALL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OBJECTS SUCH AS CABLES, TRACK, TROLLY

WIRE, WATER LINES, BELT STRUCTURES, ETC., EXTENDING INTO THE EXPLOSION

AREA SHOULD BE SEVERED OR REMOVED AT OR INBY THE FRESH-AIR BASE BEFORE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE STARTED.

STATEMENT NO: 223

ANSWER: CONDUCTIVE, EXPLORATIONS

239. IN ORDER TO MAINTAIN AN AIRLOCK, ONE DOOR OF THE AIRLOCK MUST BE

KEPT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WHILE THE OTHER IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 367

ANSWER: CLOSED, OPEN

240. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE RESPONSIBLE FOR ASSESSING

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO THE VENTILATION SYSTEM.

STATEMENT NO: 328

ANSWER: RESCUE TEAMS, DAMAGE

241. THE RESCUE TEAM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHOULD REGULATE THE

TEAM'S PACE ACCORDING TO CONDITIONS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 332

ANSWER: CAPTAIN, ENCOUNTERED

242. THE BASIC PRINCIPLE OF MINE VENTILATION IS THAT AIR ALWAYS MOVES

FROM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PRESSURE REGIONS.

STATEMENT NO: 362

ANSWER: HIGH, LOW

243. TEAMS SHOUDL NOT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IN WATER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

THAN KNEE DEEP.

STATEMENT NO: 376

ANSWER: TRAVEL, DEEPER

244. IN THE EVENT THAT RESCUE TEAM COMMUNICATIONS FAIL, IT CAN STILL

COMMUNICATE WITH THE FRESH-AIR BASE BY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ON

THE COMMUNUCATION CABLE.

STATEMENT NO: 373

ANSWER: TUGGING

245. WHEN USING THE LIFELINE FOR COMMUNICATION, THE ATTENDANT AT THE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WILL ACKNOWLEDGE RECEIVING A SIGNAL

FROM THE TEAM BY SENDING IT BACK TO THE TEAM.

STATEMENT NO: 176

ANSWER: FRESH AIR BASE

246. SUFFICIENT TIME SHOULD BE ALLOWED FOR A

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BEFORE IT IS UNSEALED.

STATEMENT NO: 268

ANSWER: FIRE AREA, COOL

247. A TEAM IS A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MADE UP OF INDIVIDUALS WORKING

TOWARD A COMMON \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 396

ANSWER: UNIT, GOAL

248. A TEAM IS A UNIT MADE UP OF INDIVIDUALS WORKING TOWARD A

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 199

ANSWER: COMMON GOAL

249. ONLY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CAN POSITIVELY IDENTIFY A GAS.

STATEMENT NO: 357

ANSWER: DETECTORS, CHEMICAL ANALYSIS

250. FIREDAMP IS A MIXTURE OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IN

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ THAT WILL BURN OR EXPLODE WHEN IGNITED.

STATEMENT NO: 162

ANSWER: METHANE, AIR

251. THE RESCUE TEAM BRIEFING OFFICER SHOULD \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ THE

TEAM'S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ACCORDING TO CONDITIONS ENCOUNTERED.

STATEMENT NO: 134

ANSWER: REGULATE, PACE

252. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHOULD BE TESTED BEFORE USE FOLLOWING A

DISASTER.

STATEMENT NO: 173

ANSWER: ELEVATORS

253. IF THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS UNDERGROUND, IT

SHOULD BE LOCATED WHERE IT'S \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A FRESH AIR

TRAVELWAY TO THE SURFACE.

STATEMENT NO: 369

ANSWER: FRESH AIR BASE, ASSURED

254. MINES ABOVE THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TEND TO HAVE

LESS METHANE THAN THOSE BELOW THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 111

ANSWER: WATER TABLE, WATER TABLE

255. THREE ELEMENTS MUST BE PRESENT FOR AN EXPLOSION TO OCCUR: FUEL,

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, AND HEAT (IGNITION).

STATEMENT NO: 1

ANSWER: OXYGEN

256. NITROGEN IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 276

ANSWER: NONEXPLOSIVE

257. THE TEAM SHOULD MAKE SURE THE MAIN FAN IS RUNNING, A GUARD IS

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ THE OPERATION OF THE FAN, AND TESTS ARE

BEING MADE AT THE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FOR ANY GASES THAT MAY BE

PRESENT IN THE MINE, BEFORE THEY GO UNDERGROUND.

STATEMENT NO: 242

ANSWER: MONITORING, MAIN RETURN

258. BAREFACED EXPLORATION SHOULD \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ONLY

WHEN A BACK-UP MINE RESCUE TEAM \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

IS IMMEDIATELY AVAILABLE.

STATEMENT NO: 245

ANSWER: BE ATTEMPTED, WITH APPARATUS

259. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE MOST COMMONLY BUILT OUT OF SOLID CONCRETE

BLOCKS.

STATEMENT NO: 239

ANSWER: PERMANENT SEALS

260. WHEN A TEAM LOCATES A BODY, ITS LOCATION AND POSITION SHOULD BE

MARKED ON A MINE MAP AND ON THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CLOSE TO THE BODY.

STATEMENT NO: 331

ANSWER: ROOF OR RIB

261. TEAMS SHOULD NOT TRAVEL IN WATER DEEPER THAN

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 178

ANSWER: KNEE DEEP

262. WHENEVER POSSIBLE, IT IS BEST TO ENTER THE MINE BY WAY OF THE

SAFEST \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 244

ANSWER: INTAKE AIRWAY

263. WHEN REPORTING ANYTHING TO THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, BE SURE

YOU ARE CLEARLY AND CORRECTLY IDENTIFYING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 147

ANSWER: FRESH AIR BASE, LOCATIONS

264. IN THE EVENT THAT RESCUE TEAM COMMUNICATIONS FAIL, IT CAN STILL

COMMUNICATE WITH THE FRESH-AIR BASE BY TUGGING ON THE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 175

ANSWER: COMMUNICATION CABLE

265. CARBON DIOXIDE IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 85

ANSWER: NON-EXPLOSIVE

266. WHEN A TEAM LOCATES A BODY, ITS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHOULD BE MARKED ON A MINE MAP AND ON THE ROOF

OR RIB CLOSE TO THE BODY.

STATEMENT NO: 133

ANSWER: LOCATION, POSITION

267. TWO PULLS ON THE LIFELINE MEANS THAT THE RESCUE TEAM IS GOING

TO\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, MOVE TOWARD THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 211

ANSWER: ADVANCE, CAPTAIN

268. AS THE TEAM ADVANCES, THE BRIEFING OFFICER RECORDS WHAT THE TEAM

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BY MARKING THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

ON A MINE MAP.

STATEMENT NO: 344

ANSWER: ENCOUNTERS, INFORMATION

269. SEALS IN HIGH \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ COALBEDS ARE OFTEN PLACED

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OR MORE FROM THE FIRE AREA.

STATEMENT NO: 237

ANSWER: VOLITILE, 1000 FEET

270. BEFORE A FRESH-AIR BASE IS ADVANCED, GAS TESTS SHOULD BE MADE IN

ALL \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BETWEEN THE OLD AND NEW FRESH-AIR

BASE.

STATEMENT NO: 246

ANSWER: DEAD ENDS, HIGH PLACES

271. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ GASES ARE PRODUCED BY BURNING RUBBER, NEOPRENE,

OR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 233

ANSWER: TOXIC, POLYVINYL CHLORIDE (PVC)

272. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS THE TERM USED TO DESCRIBE THE PROCESS OF

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CONDITIONS UNDERGROUND AND LOCATING MINERS.

STATEMENT NO: 243

ANSWER: EXPLORATION, ASSESSING

273. ELEVATORS SHOULD BE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BEFORE USE FOLLOWING A

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 371

ANSWER: TESTED, DISASTER

274. WHEN USING THE LIFELINE FOR \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, THE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AT THE FRSH-AIR BASE WILL ACKNOWLEDGE

RECIEVING A SIGNAL FROM THE TEAM BY SENDING IT BACK TO THE TEAM.

STATEMENT NO: 374

ANSWER: COMMUNICATION, ATTENDANT

275. AS THE TEAM ADVANCES, THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ RECORDS

WHAT THE TEAM ENCOUNTERS BY MARKING THE INFORMATION ON A MINE MAP.

STATEMENT NO: 146

ANSWER: BRIEFING OFFICER

276. THE RECOMMENDED \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FOR MINE RECUE TEAMS

IS A DRY CHEMICAL TYPE THAT CONTAINS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 234

ANSWER: EXTINGUISHER, MONOAMMONIUM PHOSPHATE

277. THE FRESH AIR BASE SHOULD BE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ WHERE

IT CAN BE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO THE COMMAND CENTER BY MEANS OF A

COMMUNICATION SYSTEM.

STATEMENT NO: 26

ANSWER: SITUATED, LINKED

278. A MONOAMMONIUM PHOSPHATE EXTINGUISHER IS EFFECTIVE IN FIGHTING

CLASS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FIRE(S).

STATEMENT NO: 235

ANSWER: A, B, AND C

279. THE MONITORING OF THE MINE ATMOSPHERE FOR THE PRESENCE OF OXYGEN,

METHANE, AND CARBON MONOXIDE IS AN IMPORTANT ELEMENT OF

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 250

ANSWER: TEAM EXPLORATION

280. BEFORE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND TRAVELING THROUGH ANY STOPPING

INBY WHICH CONDITIONS ARE NOT DEFINITELY KNOWN, YOU SHOULD FIRST ERECT A

TEMPORARY STOPPING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 249

ANSWER: OPENING, OUTBY

281. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TUBES OR PIPES ARE INSERTED IN THE TEMPORARY

AND PERMANENT SEALS FOR THE PURPOSE OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FROM THE SEALED AREA.

STATEMENT NO: 240

ANSWER: COPPER, COLLECTING AIR SAMPLES

282. ONLY DETECTORS AND CHEMICAL ANALYSIS CAN POSITIVELY

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ A GAS.

STATEMENT NO: 159

ANSWER: IDENTIFY

283. SPECIFIC GRAVITY IS THE WEIGHT OF A GAS COMPARED TO AN EQUAL VOLUME

OF NORMAL AIR UNDER THE SAME \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 269

ANSWER: TEMPERATURE AND PRESSURE

284. HYDROGEN SULFIDE IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 74

ANSWER: HIGHLY TOXIC

285. IT MAY BE NECESSARY TO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

THE THICKNESS OF THE MATERIAL IN ORDER TO \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ THE

EFFECTIVENESS OF A SEAL.

STATEMENT NO: 193

ANSWER: DOUBLE OR TRIPLE, IMPROVE

286. THE FRESH-AIR BASE IS THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FROM WHICH

THE RESCUE AND RECOVERY TEAMS CAN ADVANCE INTO

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ATMOSPHERES.

STATEMENT NO: 247

ANSWER: BASE OF OPERATIONS, IRRESPIRABLE

287. IT IS IMPORTANT THAT THE TEAM PACE ITS WORK SO THAT IT CAN RETURN

TO THE FRESH-AIR BASE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 343

ANSWER: ON TIME

288. FOAM IS USEFUL ONLY IN FIGHTING \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

FIRES.

STATEMENT NO: 236

ANSWER: CLASS A AND B

289. IT IS RECOMMENDED THAT TEAM CHECKS BE CONDUCTED EVERY

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MINUTES

STATEMENT NO: 139

ANSWER: 15 TO 20

290. ONE PULL ON THE LIFELINE MEANS THAT THE RESCUE TEAM

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

STATEMENT NO: 209

ANSWER: WANTS TO STOP

291. IT IS RECOMMENDED THAT \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ BE CONDUCTED

EVERY 15 TO 20 MINUTES

STATEMENT NO: 337

ANSWER: TEAM CHECKS

292. IF A TEAM MEMBER MUST RETURN TO THE FRESH-AIR BASE BECAUSE OF A

PROBLEM, IT IS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AMONG TEAMS FOR

THE ENTIRE TEAM TO GO BACK WITH THAT PERSON.

STATEMENT NO: 200

ANSWER: STANDARD PRACTICE

293. BEFORE A FRESH-AIR BASE IS ADVANCED,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SHOULD

BE MADE IN ALL DEAD ENDS AND HIGH PLACES BETWEEN THE OLD AND NEW

FRESH-AIR BASE.

STATEMENT NO: 46

ANSWER: GAS TESTS

294. NITROGEN DIOXIDE IS PRODUCED BY BURNING AND BY THE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ OF EXPLOSIVES.

STATEMENT NO: 105

ANSWER: DETONATION

295. GAS READINGS MUST BE TAKEN IN THE RETURNS NEAR THE FIRE AREA TO

DETERMINE IF THE MINE ATMOSPHERE IS

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 232

ANSWER: POTENTIALLY EXPLOSIVE

296. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS A MIXTURE OF CARBON MONOXIDE, CARBON DIOXIDE,

METHANE, OXYGEN, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, AND HYDROGEN.

STATEMENT NO: 296

ANSWER: AFTERDAMP, NITROGEN

297. IF A TEAM MEMBER MUST RETURN TO THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

BECAUSE OF A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, IT IS STANDARD PRACTICE AMONG

TEAMS FOR THE ENTIRE TEAM TO GO BACK WITH THAT PERSON.

STATEMENT NO: 397

ANSWER: FRESH AIR BASE, PROBLEM

298. BEFORE USING A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ EXTINGUISHER IT

MUST BE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FOR THE TYPE OF FIRE YOU ARE

FIGHTING.

STATEMENT NO: 351

ANSWER: HAND-HELD, CHECKED

299. THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ EXPLOSIVE LIMIT OF \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

IS 12.5 PERCENT.

STATEMENT NO: 352

ANSWER: LOWER, CARBON MONOXIDE

300. THE MOST \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ INDICATOR OF THE ORIGIN OF AN

EXPLOSION IS THE DIRECTION IN WHICH BLOCKS HAVE BEEN MOVED IN OR FROM

STOPPINGS ACROSS \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ NEAR INTERSECTIONS.

STATEMENT NO: 168

ANSWER: POSITIVE, ENTRIES

301. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ARE BEST EXTINGUISHED BY

NONCONDUCTING AGENTS SUCH AS CARBON DIOXIDE AND CERTAIN DRY CHEMICALS.

STATEMENT NO: 205

ANSWER: ELECTRICAL FIRES

302. BEFORE PUTTING ON THE APPARARUS, IT SHOULD BE PROPERLY

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND PROPERLY \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ FOR USE.

STATEMENT NO: 225

ANSWER: TESTED, PREPARED

303. EXPLOSIONS IN COAL MINES ARE MOST OFTEN CAUSED BY IGNITIONS OF

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, OR A COMBINATION OF

THE TWO.

STATEMENT NO: 227

ANSWER: METHANE, COAL DUST

304. AFTERDAMP IS A MIXTURE OF CARBON MONOXIDE, CARBON DIOXIDE, METHANE,

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, NITROGEN, AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

STATEMENT NO: 97

ANSWER: OXYGEN, HYDROGEN

305. A MINE RESCUE AND RECOVERY OPERATION CONSISTS OF A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

OF PEOPLE AND SERVICES TO DIRECT AND SUPPORT THE ENTIRE OPERATION.

STATEMENT NO: 31

ANSWER: NETWORK

306. AN AIR LOCK CONSISTS OF TWO DOORS OR TWO STOPPINGS WITH FLAPS OR

DOORS IN THEM WHICH ARE IN CLOSE PROXIMITY TO EACH OTHER IN

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PASSAGEWAY.

STATEMENT NO: 257

ANSWER: THE SAME

307. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS PRODUCED BY

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ AND BY THE DETONATION OF EXPLOSIVES.

STATEMENT NO: 304

ANSWER: B.NITROGEN DIOXIDE, BURNING

308. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ IS USUALLY FOUND AFTER A MINE FIRE OR

EXPLOSION.

STATEMENT NO: 297

ANSWER: AFTERDAMP