

Test - 2

1. Normal air contains approximately what percent of oxygen?
 - a. 15%
 - b. 21%
 - c. 31%
 - d. 79%
2. Carbon monoxide is?
 - a. A gas found in all mining operations
 - b. A normal constituent of air
 - c. Detected during a mine fire or explosion
 - d. A product of the breathing process
3. Characteristics of hydrogen sulfide include
 - a. Explosive
 - b. Highly toxic
 - c. It is highly soluble in water
 - d. It can occur during mine fires
4. A gas that is normally found near the roof or in high places in the mine is said to have a low?
 - a. Level of toxicity
 - b. Level of explosivity
 - c. Specific gravity
 - d. Level of solubility
5. Gases that are neither toxic nor explosive?
 - a. Are not found in mine atmospheres
 - b. Are not dangerous
 - c. Can be dangerous because they can displace oxygen
 - d. Cannot be detected with today's detection instruments
6. Mine rescue teams should alter existing ventilation?
 - a. Only when directed to do so by the command center
 - b. When the team captain decides to do so
 - c. When they encounter high concentrations of methane
 - d. When they encounter smoke
7. Air locks are used by mine rescue teams?
 - a. To establish a Fresh Air Base
 - b. When opening a door or knocking out a stopping/bulkhead behind which conditions are not definitely known
 - c. Before opening a barricade in bad air behind which trapped miners may be located
 - d. All of the above

8. Two instruments commonly used to measure velocity of airflow in a mine are?
 - a. Smoke Tube
 - b. Smoke tube and CO detector
 - c. Anemometer
 - d. Smoke tube and anemometer
9. Prior to rescue team exploration, the first step to take after a disaster is to?
 - a. Examine all mine openings
 - b. Establish a Fresh Air Base
 - c. Proceed as far as possible into the mine without apparatus
 - d. None of the above
10. If at all possible, entry into the mine should be made on?
 - a. A return entry
 - b. An intake entry
 - c. The main haulageway
 - d. The belt entry
11. Gas reading should be taken?
 - a. At all intersections
 - b. At any dead end or face area
 - c. At the furthest point of travel in any entry or heading
 - d. All of the above
12. The first indications that an explosion has occurred are often very similar to those of ?
 - a. An inundation of water
 - b. A large roof fall
 - c. A fan stoppages
 - d. All of the above
13. The preferred type of hand-held extinguisher for teams is a dry chemical type that contains?
 - a. Sodium bicarbonate
 - b. Potassium chloride
 - c. Carbon tetrachloride
 - d. Monoammonium phrosphate
14. Probably the best material to be used for sealing a mine fire is?
 - a. Brattice Cloth
 - b. Cement blocks
 - c. Tile or bricks
 - d. Tongue and groove lumber
15. _____ - Line that links team members together. Used in smoke, it is usually a rope about 5 feet long with rings for each team member to hook to?
 - a. Life line
 - b. Link line
 - c. Tether line
 - d. Team

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