LOVELAND TEAM TECH 2023 QUESTIONS

 Team name: Name:

1. The air we normally breathe is a mixture of gas. Clean dry air at sea level is made up of percent nitrogen and percent oxygen. Module #2 page 13
2. 79 to 21
3. 78 to 21
4. 78 to 19.5
5. What is the specific gravity of oxygen? Module #2 page 14
6. 1.0125
7. 1.1025
8. 1.1054
9. Where carbon dioxide is commonly found? Module #2 page 15
10. Near roof
11. Near floor
12. Waist level
13. Methane is flammable. Its explosive range is 5 to 15 percent when there is at least \_\_\_ percent oxygen. Module #2 page 16
14. 12.1
15. 10.1
16. 19.5
17. What is the specific gravity of Carbon Monoxide? Module #2 page 18
18. 1.5291
19. 0.9674
20. 0.9672
21. Increased \_\_\_\_\_\_\_levels are often present after explosives have been detonated. Module #2 page 19
22. Nitrogen
23. Hydrogen
24. Sulfur
25. Oxides of nitrogen are\_\_\_\_\_ \_\_\_\_\_. Module #2 page 20
26. Non Toxic
27. Highly Toxic
28. Skin irritants
29. What is the specific gravity of Hydrogen? Module #2 page 21
30. 1.1906
31. 0.0695
32. 2.2638
33. What is the explosive range of Hydrogen? Module #2 page 21
34. 4 to 75.2 %
35. 5 to 74.2%
36. 4 to 74.2%
37. Smoke is a result of \_\_\_\_\_\_. Module #2 page 27
38. Explosion
39. Fire
40. Combustion
41. \_\_\_\_\_\_\_\_ is a mixture of Carbon Monoxide and air which results from mine fires. Module #2 page 27
42. Whitedamp
43. Afterdamp
44. Blackdamp
45. Stinkdamp is a mixture of \_\_\_\_\_ \_\_\_ and air. Module #2 page27
46. Nitrogen Dioxide
47. Sulfur Dioxide
48. Hydrogen sulfide
49. The traverse method is used when? (Q-2) Module #3
50. Taking a reading with a smoke tube
51. Taking a reading at a regulator
52. Taking a reading with an anemometer
53. Two instruments commonly used to measure velocity of air flow in a mine. (Q-7),Module #3
54. Smoke tube and Magnehelic
55. Smoke tube and Anemometer
56. Anemometer and Magnehelic
57. POGO sticks are devices that are used. (Q-9) Module #3
58. As supports on which brattice cloth can be hung
59. As an extension for reaching high places to take air readings
60. As roof control subsidence indicators