Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**SCBA Types and Uses Quiz**

1. Firefighters suffer from over how many thousand incidents of smoke inhalation each year?
   * 1. 3000
     2. 4000
     3. 5000
     4. 6000
2. The OSHA and NFPA define oxygen deficient atmospheres as atmospheres containing less than what percent of oxygen?
   1. 21%
   2. 20.5%
   3. 19.5%
   4. 18%
3. At which percent oxygen level does your body begin to increase its respiratory rate to compensate for the lower oxygen concentration?
   1. 21%
   2. 20.5%
   3. 19.5%
   4. 18%
4. \_\_\_\_\_ At which percent oxygen level does death occur within a short period of time due to heart and respiratory failure?
   1. 6%
   2. 9%
   3. 12%
   4. 17%
5. \_\_\_\_\_ SCBA air cylinders must be able to contain pressures up to how high on some SCBA units?
   1. 2200 psi
   2. 3500 psi
   3. 4500 psi.
   4. 6200 psi
6. \_\_\_\_\_ The main cylinder gauge and the remote gauge must read within how many psi of each other (unless the gauges read in larger increments)?
   1. 10 psi
   2. 25 psi
   3. 50 psi
   4. 100 psi
7. Which of the following is not one of the four basic components of an open circuit self-contained breathing apparatus?
   1. Backpack/harness assembly
   2. Cylinder assembly
   3. Low pressure alarm assembly
   4. Facepiece assembly
8. \_\_\_\_\_ Emergency Breathing Support Systems use an emergency egress cylinder that provides air for approximately how many minutes?
   1. 3–5
   2. 5–10
   3. 10–15
   4. 15–20
9. \_\_\_\_\_ Airline systems allow emergency service personnel to operate how many feet away from their air supply source?
   1. 300
   2. 400
   3. 500
   4. 1000
10. \_\_\_\_ Personal Alert Safety Systems will automatically sound an alarm if the firefighter wearing the unit remains motionless for approximately how many seconds?
    1. 30
    2. 45
    3. 60
    4. 90
11. \_\_\_\_ Low pressure alarms are designed to activate when the cylinder pressure drops below what percent of its weighted capacity?
    1. 30%
    2. 50%
    3. 25%
    4. 20%
12. \_\_\_\_ The low pressure alarm will activate when the air pressure falls to approximately what psi range?
    1. 200–300 psi
    2. 300–400 psi
    3. 400–500 psi
    4. 500–600 psi
13. \_\_\_\_ A SCBA cylinder rated for 30 minutes of use contains how much pressure when it is full?
    1. 2000
    2. 2216
    3. 4500
    4. 4516
14. \_\_\_\_ To what percent must a cylinder be filled prior to donning it for an emergency?
    1. 60%
    2. 70%
    3. 80%
    4. 90%
15. \_\_\_\_ When a 30-minute cylinder is 90% full, what will the pressure gauge read in psi?
    1. 2000
    2. 2216
    3. 4500
    4. 4516