



BioPak 60TE

NAME:

BioPak 60TE User's Quiz

Instructions

Circle the correct letter or answer on this quiz that represents the BEST answer. If corrections are made, make sure all erasures are complete. Each question is worth 5 points for a total of 150 points. You have 20 minutes to complete this quiz. Please print your name clearly in the space below:

Part 1, Multiple Choice

Circle the correct letter. Circle only one letter for each question.

1. The BioPak 60TE is:
 - A. A positive pressure SCBA
 - B. A negative pressure SCBA
 - C. A decreased flow system
 - D. An open circuit SCBA
2. The rated duration (use) time for the BioPak 60TE is:
 - A. 90 Minutes
 - B. 120 Minutes
 - C. 1 Hour
 - D. 30 Minutes
3. The two most plentiful gases in air are:
 - A. Oxygen and Carbon Dioxide
 - B. Oxygen and Argon
 - C. Krypton and Xenon
 - D. Oxygen and Nitrogen
4. If you hear the Demand Valve hit every time you inhale, and you are not working hard, you should:
 - A. Use the Emergency By-Pass Valve
 - B. Breathe slower
 - C. Turn off the oxygen cylinder
 - D. Check your facemask fit and adjust it for a better seal
5. The purpose of the BioPak 60TE's Soda-Sorb canister is to remove:
 - A. Carbon Dioxide
 - B. Carbon Monoxide
 - C. Oxygen
 - D. Water Vapor

6. When the alarm sounds on the BioPak 60TE, approximately how much breathing time is left?
 - A. 30 Minutes
 - B. 1 hour
 - C. 5-6 Minutes
 - D. 15 Minutes

7. Soda-Sorb is best stored:
 - A. Below Freezing
 - B. Above Freezing but in a refrigerator
 - C. In temperatures above 130 degree F
 - D. At room temperature but never below freezing.

8. When the pressure gauge on the BioPak 60TE is reading 2250 PSI you have about how many hours of breathing time left?
 - A. 1 hour
 - B. 2 hours
 - C. 3 hours
 - D. 4 hours

9. In a positive pressure respirator the face piece pressure is maintained:
 - A. Below the pressure outside of the face piece.
 - B. Above the pressure outside of the face piece.
 - C. The same as the pressure outside of the face piece.
 - D. Negative compared to the pressure in the lungs.

10. Which of the following are warning symptoms that require immediate attention such as leaving the hazardous area:
 - A. Nausea, dizziness or illness
 - B. Severed pressure gauge line
 - C. Difficulty inhaling or exhaling
 - D. Over actuation of the demand valve
 - E. All of the above

11. The Emergency By-Pass is located:
 - A. Below the alarm whistle
 - B. Near the pressure gauge
 - C. On the top of the unit
 - D. On the face piece

12. Reduced duration (less than 1 hour) in the BioPak 60TE may be caused by:
 - A. Leaks in the BioPak 60TE breathing loop
 - B. Poor facemask seal, or beards and eyeglasses that break the facemask seal.
 - C. Excessive use of the emergency bypass valve
 - D. All of the above.

13. To use the Emergency By-Pass you should:
 - A. Push the button in until you hear a hissing sound
 - B. Push the button in for 20 seconds
 - C. Push the button in for 10 seconds
 - D. Push the button in for 2 seconds

14. When the bottle pressure reaches 25% of its capacity the audible alarm will sound for approximately:
- A. 240 seconds
 - B. 3 minutes
 - C. 2 minutes
 - D. 45-60 seconds
15. When the pressure gauge on a BioPak 60TE reads 1125 PSI you have approximately how much duration left?
- A. 1 hour
 - B. 30 Minutes
 - C. 15 Minutes
 - D. 90 Minutes
16. The working time for a properly used BioPak 60TE depends on a person's breathing rate and physical activity while wearing the SCBA.
- TRUE
FALSE
17. The BioPak 60TE will provide you with 1 hour of working time if after 15 minutes you have used 650 PSIG of oxygen and you continue using oxygen at this rate until the BioPak 60TE runs out of oxygen.
- TRUE
FALSE
18. You should always check for a completed turnaround maintenance tag before donning a BioPak 60TE.
- TRUE
FALSE
19. It is acceptable to reuse Soda-Sorb until it changes color.
- TRUE
FALSE
20. The BioPak 60TE should not be used, and it should be thoroughly inspected and tested, if the Turnaround Maintenance Tag is missing
- TRUE
FALSE
21. It is accepted practice to train or use the BioPak 60TE without installing the Soda-Sorb.
- TRUE
FALSE
22. It is accepted practice to train or use the BioPak 60TE without personally inspecting the CO2 absorbent canister, the face piece and the Oxygen cylinder pressure.
- TRUE
FALSE

23. Checking the face piece operation prior to donning the BioPak 60TE is the responsibility of the Benchman.

TRUE
FALSE

24. During normal operation of the BioPak 60TE it is an acceptable practice to depress the Emergency By-Pass valve to clear the face piece of fogging.

TRUE
FALSE

25. When the Emergency By-Pass is depressed the additional oxygen enters the top section of the center section and must pass through the CO2 scrubber before it reaches the diaphragm and is available for the user to breath.

TRUE
FALSE

26. The BioPak 60TE does not require disinfectant washing and rinsing because its rated duration is only 60 minutes.

TRUE
FALSE

27. In order to get optimal cooling from the heat exchanger tubes in the BioPak 60TE should be stored in ambient temperatures below 85 degrees F.

TRUE
FALSE

28. Soda-Sorb may be stored in a sealed BioPak 60TE for 15 months.

TRUE
FALSE

29. Excessive breathing (inhalation) gas temperatures can be a result of what conditions? List two.

- a.
- b.

30. The function of the anti-anoxia valve is to provide the user with lower Carbon Dioxide levels during the 60 minutes of operation.

TRUE
FALSE