
CHAPTER 6: ADMINISTERING EMERGENCY OXYGEN

Multiple Choice

Circle the correct answer.

- 1. Which two delivery devices connected to oxygen can be used by a professional rescuer for a victim who is not breathing?**
 - a. Nasal cannula, non-rebreather mask
 - b. BVM, nasal cannula
 - c. BVM, resuscitation mask
 - d. Nasal cannula, resuscitation mask
 - 2. When attached to an oxygen source, a BVM can deliver nearly 100 percent oxygen. What percentage of oxygen is delivered by a BVM without an oxygen source?**
 - a. 61 percent
 - b. 41 percent
 - c. 21 percent
 - d. 11 percent
 - 3. A regulator should not be lubricated with a petroleum product because of the danger of—**
 - a. Contaminating the oxygen.
 - b. An explosion.
 - c. Loosening the oxygen cylinder valve.
 - d. Inaccurate readings from the oxygen flowmeter.
 - 4. On some models, the O-ring gasket should be placed on the oxygen cylinder—**
 - a. After the regulator is in place.
 - b. After you have examined the pressure regulator.
 - c. After you have opened the cylinder for 1 second.
 - d. After you have verified the oxygen flow to the victim.
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Matching

Match each term with the correct definition.

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| 5. A. Flowmeter | ___ | Regulates oxygen delivery in liters per minute (LPM). |
| B. Nasal cannula | ___ | The most effective way for delivering high concentrations of oxygen to breathing victims. |
| C. Resuscitation mask | ___ | Used to administer low-flow oxygen to a victim who is breathing. |
| D. Oxygen cylinder | ___ | Has an internal pressure of approximately 2,000 pounds per square inch (psi). |
| E. Non-rebreather mask | ___ | A flexible dome-shaped device that covers the victim's mouth and nose and is used to give rescue breaths. |

Multiple Answers

Place a check next to the correct answer or answers.

6. You find that you must give emergency oxygen to a victim who is having difficulty breathing. What equipment will you need to deliver emergency oxygen?
- A nasal airway
 - An oxygen cylinder
 - A suctioning device
 - A regulator with pressure gauge
 - A flowmeter
 - A delivery device, such as a nasal cannula or non-rebreather mask

True or False

Circle True or False.

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|-----|------|-------|--|
| 7. | True | False | A benefit of using a BVM for rescue breathing is that the rescuer can deliver a higher concentration of oxygen to a victim than when using a resuscitation mask. |
| 8. | True | False | An oxygen delivery device should be placed over a victim's face before oxygen begins to flow. |
| 9. | True | False | A victim with a serious injury can benefit from emergency oxygen. |
| 10. | True | False | Oxygen should not be used around open flames or sparks. |
| 11. | True | False | A bag-valve-mask resuscitator (BVM) may be used for both breathing and nonbreathing victims. |
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12. True False A BVM may be used on a victim if the rescuer suspects a head, neck or back injury.
13. True False A nasal cannula may be used to administer oxygen to a breathing or nonbreathing victim.
14. True False Flow rates above 6 LPM are not commonly used with a nasal cannula.
15. True False When using a fixed-flow-rate oxygen system, the rescuer must attach the regulator, fix the flow rate and place the mask over the victim's face.

Fill in the Blanks

16. _____ blood travels from the lungs to the left side of the heart by the pulmonary artery.
17. _____ blood returns to the right side of the heart where it is pumped out to the lungs through the pulmonary vein.
18. The primary function of the respiratory system is to _____ inhaled oxygen with the by-products of metabolism, namely carbon dioxide.
19. Oxygen should be given when an adult victim is breathing fewer than ____ breaths per minute or more than ____ breaths per minute.
20. Oxygen should be given when a ____ is breathing fewer than 15 or more than 30 breaths per minute.
21. Oxygen should be given when an infant is breathing fewer than ____ breaths per minute or more than ____ breaths per minute.
22. When giving emergency oxygen, a resuscitation mask with an oxygen _____ may be used as a delivery device.
23. _____ flow oxygen systems have a set flow-rate. This eliminates the need to assemble the equipment.

Ordering

Place in the correct order.

24. When two rescuers are using a BVM, they should first complete the initial assessment and then take the following steps:

- ____ Rescuer 1 seals the mask and opens the airway by kneeling behind the victim's head, placing thumbs along each side of the mask, sliding fingers into position behind the angles of the jawbone and applying downward pressure with the thumbs to lift the jaw and tilt the head back to open the airway.
- ____ Rescuer 1 positions the mask so that it covers the victim's mouth and nose.
- ____ Rescuer 2 assembles the BVM by attaching the mask to the bag and valve.
- ____ Rescuer 2 begins ventilations by squeezing the bag slowly for about 1 second for an adult, child or infant.
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Short Answer

25. List the three pieces of equipment necessary for giving emergency oxygen.
26. You find that an infant is breathing fewer than 20 breaths per minute. What should you do?
27. You are preparing to give emergency oxygen to a victim in respiratory distress. Name five precautions you must take.
28. Name five precautions to take when disassembling the oxygen cylinder and regulator.
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