

1. Humidity can be correctly defined as a gas or vapour.

- a. The above statement is true
- *b. The above statement is false

2. After treating a patient with potential upper airway inflammation with dexamethosone, how long should one wait prior to extubation?

- a. 15 - 20 hours
- *b. 12 - 24 hours
- c. 12 - 25
- d. 15 - 20

3. Which of the following will NOT affect the absorption of a drug?

- a. lipid solubility
- b. polarity
- c. pH
- d. size of molecule
- *e. all of the above

4. Which lab value should persuade you not to recommend the use of steroids?

- a. Hgb = 85 g/dl
- b. K⁺ = 5.5, Na⁺ = 141
- c. Neutrophil = 68
- *d. Bands = 12%
- e. WBC = 8000

5. Which drugs fall under the category of xanthines?

- 1. atrovent
- 2. theophylline
- 3. montelukast
- 4. salbutamol

- a. 1
- b. 2, 3
- *c. 1, 2
- d. 1, 2, and 3
- e. all of the above

6. Which of the following terms are synonymous with Beta adrenergic?

- a. anticholinergic
- *b. xanthinergic
- c. sympathomimetic
- d. parasympatholytic

7. Which of the following drugs stimulate the production of cAMP?

- a. metaproterenol
- b. isoetharine
- c. albuterol
- *d. a, b, and c

8. As you increase the gas flow through a humidifier, the humidity content may decrease.

- *a. The above statement is true

b. The above statement is false

9. Cold humidification is primarily reserved for patients with artificial airways.

a. The above statement is true

*b. The above statement is false

10. When using humidifiers, they should be filled with normal saline.

a. The above statement is true

*b. The above statement is false

11. The smoke created from a cigarette would be considered an aerosol.

*a. The above statement is true

b. The above statement is false

12. Which of the following is the most clinically significant factor affecting aerosol deposition and penetration?

a. gravity

b. inertial impaction

c. Stoke's Law of sedimentation

*d. the patient's ventilatory pattern

13. Aerosol therapy may be used for which of the following?

a. bronchodilator therapy

b. humidity therapy

- c. sputum induction
- d. administering medication
- *e. all of the above are correct

14. Aerosol therapy can only be administered to non-intubated patients.

- a. The above statement is true
- *b. The above statement is false

15. It is important for a respiratory therapist to have a general knowledge of drugs in order to:

- a. administer the proper dose
- b. treat specific diseases
- c. avoid potential drug incompatibility
- d. prevent side effects
- *e. all of the above