

**:The part of body which is responsible for the perception of linear acceleration is .1**

- A. Semicircular canals •
- B. Static organ ☒ •
- C. Kinesthetic sense •
- D. A and B are correct •

**Which part of body is responsible for keeping the pressure equalized between the ear canal .2  
?and middle ear**

- A. Throat •
- B. Eustachian tube ☒ •
- C. Sinuses •
- D. Cochlea •

**?Which body system is responsible for distributing oxygen around the body .3**

- A. The Nervous System •
- B. The Circulatory System ☒ •
- C. The Respiratory System •
- D. The Oxidation System •

**:You can overcome hyperventilation by breathing into a plastic or paper bag. The intention is .4**

- A. To raise the level of CO<sub>2</sub> in the blood ☒ •
- B. To prevent exhaling too much oxygen •
- C. To increase nitrogen in the lungs •
- D. To reduce blood pressure •

**:Hyperventilation causes .5**

- A. Acidosis •
- B. Excess CO<sub>2</sub> in blood •
- C. Hypochondria •
- D. Lack of CO<sub>2</sub> in blood ☒ •

**?In relation to hypoxia, which paraphrase is correct .6**

- A. Lack of O<sub>2</sub> saturation during hyperventilation •
- B. Brain lacks oxygen and heart rate drops •
- C. Occurs during steep turns •
- D. Lack of oxygen to meet tissue needs ☒ •

**?What is decompression sickness .7**

- A. Common due to pressurization •
- B. Only below 18,000 ft •
- C. Air bubbles with no effects •
- D. Nitrogen bubbles after cabin pressure loss ☒ •

**:Alcohol has stimulating effect on .8**

- A. Central nervous system •
- B. Heart rate •
- C. Respiratory rate •
- D. Both B and C ☒ •

**A person with light headaches, dizziness, tingling, and rapid breathing may be suffering .9**  
**:from**

- A. Hypoxia or hyperventilation ☒ •
- B. Hyperventilation only •
- C. Hypoxia only •
- D. Carbon monoxide poisoning •

**:The vestibular organ .10**

- A. Reacts to linear/angular acceleration and gravity ☒ •
- B. Responsible for hearing •
- C. Reacts to middle ear pressure •
- D. Reacts to cochlea vibration •

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**:New Questions**

**?Which one of these is a symptom of hypoxia .11**

- A. Cyanosis •
- B. Headache •
- C. Confusion •
- Correct: All of the above ☒ •

**?Which one of these is a cause of hypoxic hypoxia .12**

- A. Blood donation •
- B. Extreme cold •
- C. Being at high altitude ☒ •

**?Which is a cause of histotoxic hypoxia .13**

- A. Carbon monoxide •
- B. Alcohol ☒ •

**?Which is a symptom of decompression sickness .14**

A. Localized deep pain •

B. Shortness of breath •

Correct: Both A and B ☒ •

**:Treatment for hyperventilation includes .15**

A. Breathing into a bag •

B. Controlled breathing ☒ •

**?Which organ detects angular acceleration .16**

A. Utricle •

B. Sacculle •

C. Semicircular canals ☒ •

D. Cochlea •

**?What type of hypoxia results from reduced hemoglobin capacity .17**

A. Hypemic hypoxia ☒ •

B. Stagnant hypoxia •

C. Histotoxic hypoxia •

**?Which gas forms bubbles in DCS .18**

A. Oxygen •

B. Nitrogen ☒ •

C. Carbon dioxide •

D. Helium •

**?Which condition can occur during rapid cabin depressurization .19**

A. Barotrauma ☒ •

B. Motion sickness •

C. Asthma •

**?What happens to the partial pressure of oxygen at high altitude .20**

A. Increases •

B. Stays the same •

C. Decreases ☒ •