

: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. Saccule •
- 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  •