

Hypo/Hyperbaric Conditions Post-Test

- 1) The most common range for severe high-altitude illness is approximately
 - a) 5,000 – 8,000 feet
 - b) 5,000 – 12,000 feet
 - c) 12,000 – 18,000 feet
 - d) 18,000 – 22,000 feet

- 2) An adaptive response to high altitude that shifts the HbO₂ curve rightward, thereby increasing release of O₂ to tissues is
 - a) Hypocapnea
 - b) Increased 2,3 DPG production
 - c) Alkalemia
 - d) The hypoxic ventilatory response

- 3) The risk factors for acute mountain sickness include which of the following?
 - a) Diabetes
 - b) Advanced age
 - c) Obesity
 - d) Female gender

- 4) Symptoms of high-altitude cerebral edema include all of the following EXCEPT
 - a) Change in mental status
 - b) Photophobia
 - c) Hallucinations
 - d) Fever & chills

- 5) A medication that may prevent high-altitude mountain sickness & cerebral edema is
 - a) Carbonic anhydrase (Diamox)
 - b) Calcium carbonate
 - c) Albuterol
 - d) Gingko

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- 6) Medications that treat high-altitude pulmonary edema by reversing pulmonary hypertension include which of the following?
- a) Carbonic anhydrase (Diamox)
 - b) Ca⁺⁺ channel blockers e.g. nifedipine (Procardia)
 - c) Phosphodiesterase inhibitor e.g. tadalafil (Cialis)
 - d) All of the above
- 7) Predisposing factors for decompression sickness include all of the following EXCEPT
- a) Obesity
 - b) Dehydration
 - c) Hypothermia
 - d) Male gender
- 8) Bloody froth from mouth & nose, marbling of skin, & headache are common manifestations of
- a) Acute mountain sickness
 - b) Arterial gas embolism
 - c) High-altitude pulmonary edema
 - d) All of the above
- 9) The manifestations of spinal cord decompression sickness include which of the following?
- a) Ascending paresthesia (tingling)
 - b) Ascending paralysis
 - c) Loss of bowel and bladder control
 - d) All of the above
- 10) There is strong evidence supporting the effectiveness of hyperbaric oxygen therapy for the treatment of
- a) Autism
 - b) Cirrhosis
 - c) Carbon monoxide poisoning
 - d) Stroke