

- 1) Ventilation involves convective transport of respiratory gases from the environment to the respiratory epithelia – **TRUE** or FALSE?

- 2) Which of the following proteins is voltage sensitive (i.e. responds to membrane depolarization) and plays a key role in excitation-contraction coupling?
 - a) **DHP** receptor
 - b) Ryanodine receptor
 - c) troponin
 - d) tropomyosin
 - e) elastin

- 3) Oxygen is equally soluble in freshwater and seawater – TRUE or **FALSE**?

- 4) Which muscle fiber type is primarily responsible for powering high-speed burst locomotion during predator escape and prey capture?
 - a) slow oxidative (red)
 - b) fast oxidative (pink)
 - c) **fast glycolytic** (white)
 - d) tonic
 - e) smooth

- 5) Respiratory gases diffuse down their partial pressure gradient (i.e. from areas of higher partial pressure to areas of lower partial pressure) – **TRUE** or FALSE?