

Student Quiz

Understanding Salinity

1. Which of the following statements is false?
 - A) Salinity is typically measured as a concentration of grams of salt per kilogram of water (g/kg).
 - B) Salinity is typically measured a concentration of parts salt per thousand parts water (ppt).
 - C) $20 \text{ g/kg} = 20.0 \text{ ppt}$
 - D) $20 \text{ g/kg} = 40.0 \text{ ppt}$
2. Which of the following statements is true?
 - A) Salinity influences where aquatic plants and animals can live.
 - B) Salinity affects other aspects of water quality.
 - C) Neither A nor B
 - D) Both A and B
3. Which of the following statements is true?
 - A) Estuarine salinity increases when tides rise.
 - B) Estuarine salinity decreases when tides rise.
4. Estuaries with weak tidal currents are often highly stratified. In highly stratified estuaries, which of the following statements is true?
 - A) Salinity concentration decreases with depth.
 - B) Salinity concentration increases with depth.
5. Which of the following statements is true?
 - A) Heavy rainfall can temporarily increase estuarine salinity at the surface.
 - B) Heavy rainfall can temporarily decrease estuarine salinity at the surface.
6. Which of the following human activities can influence estuarine salinity?
 - A) Development of impervious surfaces
 - B) Release of wastewater
 - C) Both A and B
 - D) Neither A nor B