

Student Quiz

Understanding Dissolved Oxygen

1. Which of the following statements is false?
 - A) Dissolved oxygen is typically measured as a concentration of milligrams of DO per liter of water (mg/L).
 - B) Dissolved oxygen is typically measured as a concentration of parts DO per million parts water (ppm).
 - C) $5 \text{ mg/L} = 10 \text{ ppm}$
 - D) $5 \text{ mg/L} = 5 \text{ ppm}$
2. When DO concentrations are too low, which of the following may occur?
 - A) Organisms become stressed
 - B) Organisms cannot grow, feed, or reproduce properly
 - C) Estuarine communities become unhealthy and less biologically diverse
 - D) All the above
3. Which of the following properties of water can result in a low DO concentration?
 - A) Low temperature
 - B) Low salinity concentration
 - C) High suspended sediment concentration
 - D) All of the above
4. Which of the following statements is true?
 - A) DO concentrations are higher during the day than at night
 - B) DO concentrations are lower during the day than at night
5. Which of the following can result in a low DO concentration?
 - A) Fertilization of soils
 - B) Impervious surfaces
 - C) Development
 - D) All the above