

Student Quiz

Understanding pH

1. Which of the following statements is false?
 - A) Liquid with a pH above 7.0 is basic.
 - B) Liquid with a pH below 7.0 is acidic.
 - C) Liquid with a pH of 5.0 is ten times more acidic than a liquid with a pH of 7.0.
 - D) Liquid with a pH of 5.0 is one hundred times more acidic than a liquid with a pH of 7.0.
2. How can changes in pH harm aquatic life?
 - A) By disrupting cellular processes
 - B) By altering other aspects of water quality
 - C) Both A and B
 - D) None of the above
3. Which of the following statements is true?
 - A) Rainfall is naturally acidic and can lower the pH of estuaries.
 - B) Rainfall is naturally acidic and can raise the pH of estuaries.
4. Water turbulence can lower the pH of estuaries.
 - A) True
 - B) False
5. pH is typically higher (more basic) in the upper reaches of an estuary than in the lower reaches.
 - A) True
 - B) False
6. Acid rain can significantly lower the pH of estuaries and other water bodies. Which of the following is primarily responsible for causing acid rain?
 - A) Burning of coal
 - B) Burning of oil
 - C) Burning of gasoline
 - D) All the above
7. The decomposition of organic waste can lower the pH of estuaries and other water bodies.
 - A) True
 - B) False