

SECTION SOLUTIONS CAN BE ACIDIC, BASIC, OR NEUTRAL.

8.3 Reinforcing Key Concepts

BIG IDEA When substances dissolve to form a solution, the properties of the mixture change.

KEY CONCEPT Solutions can be acidic, basic, or neutral.

- 1. Acids and bases have distinct properties.** Use the chart below to list and compare the characteristics of acids and bases.

Acids	Bases
•	•
•	•
•	•
•	•

- 2. The strengths of acids and bases can be measured.** The pH scale is used to identify the acidity or basicity of solutions. Use the pH scale below to identify a–c.



- a. a solution with a pH of 2.5 _____
- b. a solution with a low concentration of H⁺ _____
- c. a solution that has a pH of 7 _____
- 3. Acids and bases neutralize each other.** What happens to hydrogen ions (H⁺) and hydroxide ions (OH⁻) when an acid and a base react?
- _____