

### Water Supply & Demand - Key Concepts

- People use water for household purposes, industry, transportation, agriculture, and recreation.
- Reducing water use, recycling water, and reusing water are three ways to conserve water.
- Two possible methods of obtaining fresh water are desalination and melting icebergs.

### Water Supply & Demand - Key Terms

Irrigation -

Conservation -

Desalination -

### Describing Acids and Bases - Key Concepts

- An acid is a substance that tastes sour, reacts with metals and carbonates, and turns blue litmus paper red.
- A base is a substance that tastes bitter, feels slippery, and turns red litmus paper blue.
- Acids and bases have many uses around the home and in industry.

### Describing Acids and Bases - Key Terms

Acid -

Corrosive -

Indicator -

Base -

### Acids and Bases in Solution - Key Concepts

- An acid is any substance that produces hydrogen ions ( $H^+$ ) in water.
- A base is any substance that produces hydroxide ions ( $OH^-$ ) in water.
- A low pH tells you that the concentration of hydrogen ions is high. In contrast, a high pH tells you that the concentration of hydrogen ions is low.
- In a neutralization reaction, an acid reacts with a base to produce a salt and water.

### Acids and Bases in Solution - Key Terms

Hydrogen ion ( $H^+$ ) -

Hydroxide ion ( $OH^-$ ) -

pH scale -

Neutralization -

Salt -

### Water on Earth - Key Concepts

- All living things need water in order to carry out their body processes. In addition, many living things use water for shelter.
- Most of Earth's water—roughly 97 percent—is salt water found in oceans. Only 3 percent is fresh water.
- In the water cycle, water moves from bodies of water, land, and living things on Earth's surface to the atmosphere and back to Earth's surface.

### Water on Earth - Key Terms

Photosynthesis-

Habitat-

Groundwater-

Water cycle-

Transpiration-

Precipitation-

### Surface Water - Key Concepts

- A river and all its tributaries together make up a river system.
- Ponds and lakes form when water collects in hollows and low-lying areas of land.
- In addition to seasonal changes, a lake can undergo long-term changes that may eventually lead to its death.

### Surface Water - Key Terms

Tributary-

Watershed-

Divide-

Reservoir-

Nutrient-

Eutrophication-