

**Chapter 2**

Use with Section 3

**REINFORCEMENT****• Chemical Energy**

Complete each item.

Chemical bonds hold \_\_\_\_\_.

How do scientists refer to the potential energy within chemical bonds? \_\_\_\_\_

Energy stored in oil, gas, and coal are important sources of \_\_\_\_\_.

Most chemical \_\_\_\_\_ do not take place on their own.

In a chemical reaction, chemical bonds are \_\_\_\_\_ between some particles and \_\_\_\_\_ between other particles.

Chemical reactions that absorb energy are called \_\_\_\_\_.

A plant cell using photosynthesis to transform energy from sunlight into chemical energy is \_\_\_\_\_ chemical reaction.

Living things depend on \_\_\_\_\_ for food and oxygen.

Every chemical reaction includes some energy transfer. Is this statement true or false? \_\_\_\_\_

Not every chemical reaction gives off energy. Is this statement true or false? \_\_\_\_\_

Exothermic reactions are \_\_\_\_\_.

Rates of chemical reactions can be changed by a substance, called a \_\_\_\_\_, whose own structure is not changed by the reaction.

Greater amounts of sugar will dissolve in water if the water is \_\_\_\_\_ or \_\_\_\_\_.

Your body relies on \_\_\_\_\_ to speed up cell processes.