

Chapter 15

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.