**Meeting Individual Needs** 

Date

## Note-taking Worksheet (continued)

- E. Heat can be transferred in \_\_\_\_\_\_ ways.

  - 2. \_\_\_\_\_\_ transfers heat when particles move between objects or areas that differ in temperature; most common in gases and liquids.
  - **3.** Energy transferred by waves is \_\_\_\_\_.

## Section 3 Chemical Energy

A. Chemical reactions \_\_\_\_\_\_ energy.

- 1. Compounds are broken down or new compounds are formed in a
- 2. Energy in chemical bonds is a form of \_\_\_\_\_\_ called chemical energy.
- 3. In \_\_\_\_\_\_ chemical reaction, energy transformations occur.
- **B.** To break chemical bonds, energy must be \_\_\_\_\_; when chemical bonds form, energy is \_\_\_\_\_.
  - 1. \_\_\_\_\_ reactions—chemical reactions that absorb energy
  - 2. \_\_\_\_\_ reactions—chemical reactions that release energy
  - **3.** Chemical reactions occur at different rates; a \_\_\_\_\_\_ changes the rate of chemical reaction without its own structure being changed.