

SECTION
2**Study Guide****Conservation of Energy****Chapter****5**

Directions: *In each of the following situations, energy changes form. Study each situation and identify the energy transformations in the spaces provided.*

1. An electric blanket warms a bed on a chilly night.

2. A rock in Death Valley, California, becomes hot during a summer afternoon.

3. A deputy sheriff rides a horse while directing traffic.

4. A chandelier brightens a ballroom after a waiter moves a switch.

5. A swallow sitting on a fence sings a song for anyone who will listen.

6. A jet plane rapidly accelerates on the runway.

7. A walnut falls to the ground from a high tree branch.

8. A placekicker sends a football through the uprights of a goalpost.

9. A base runner slides safely into third base.

10. A nuclear powered submarine transports its crew from New Orleans to Mobile.
