

## Energy Transformations

*Directions: Describe the energy transformation in each of the following. Use an arrow (→) to show transformations and use a plus (+) to show more than one type of energy produced. For example, the energy transformation for lighting a match would be:*

chemical energy → electromagnetic energy + thermal energy

- 1) Speaking and listening on a cell phone
- 2) Playing volleyball
- 3) Using a lawn mower
- 4) Braking a car
- 5) A microwave making popcorn
- 6) Watching a movie on a television
- 7) A plant performing photosynthesis
- 8) Eating food
- 9) An automobile engine
- 10) Using a gas stove to cook food
- 11) Listening to music on an iPod
- 12) Using a flashlight
- 13) Using a hair dryer
- 14) A coal power plant
- 15) A nuclear power plant
- 16) A hydroelectric dam