

## Forms of Energy and Interactions Study Guide

1. A doorbell is an example of an item that transfers energy into sound.
2. The function of a switch is to start and stop the flow of electricity.
3. Refraction is the bending of a wave as it moves across the boundary between one medium to another.
4. Reflection is the bouncing back of a wave from a surface.
5. A light bulb can transfer electricity into light and heat
6. Light waves will travel in a straight line if they do not interact with an object.
7. Sound is a form of energy because sound waves carry energy that can cause motion or create change.

8. A motor making noise, a heater that feels warm, and a light bulb lighting up are all examples that describe the transfer of electrical energy into another form of energy.
9. Heat and magnetism are two forms of energy because they can cause change or create motion.
10. When light strikes an object or travels from one medium to another, it can be reflected, refracted or absorbed.
11. Energy cannot be touched.
12. Electricity flowing through a circuit produces magnetic effects in wires which causes motion.