

Not Just in Light Bulbs Answer Key

Directions: Electricity can be found in many places, including some that may surprise you. These are just a few examples of electricity in action. Explain how electricity is produced by or related to each one.

1. Lightning

An example of electricity in nature. Electricity travels through the droplets of moisture in the air.

2. Wind

Can be harnessed through turbines and converted into electricity.

3. A balloon and a sweater

Rubbing causes electrons from one object to transfer to the other. This movement of electrons is static electricity.

4. Shuffling feet across a carpeted floor

Rubbing causes electrons to transfer from one object to another. The object that loses electrons then has a positive charge and is attracted to the object that gained electrons, giving it a negative charge.

5. Your body

An example of electricity in nature. The nervous system uses electric signals to coordinate your body's various systems.

6. Running water

Can be used to turn a generator and produce electricity.

7. Solar panels

Convert the sun's energy directly into electricity.

8. Fossil fuels

Burned by many power plants to produce electric power, but there is a limited supply of these and burning them harms the planet.

9. Nuclear fuels

Used by many power plants to produce electric power, but this releases harmful waste into the environment.