

Name _____ Date _____ Period _____

Energy Transformation Animations

Directions: Go to <http://www.poweringourfuture.com/students/energy/index.php> and use the animations to fill in the blanks below.

1. In a portable stereo, _____ energy is changed to _____ energy.
2. When you burn wood in a campfire, _____ energy is converted to _____ and light energy.
3. In a computer monitor, _____ energy is changed to _____ energy and sound energy.
4. Through the process of photosynthesis, _____ energy from the sun is changed to stored _____ energy.
5. If you place a ball at the edge of a hill, and it rolls downhill, _____ energy is changed to _____ energy.
6. In a flashlight, the _____ energy in batteries is changed to electric energy and then to _____ energy.
7. In a fan, _____ energy is changed to _____ energy.
8. When water held behind a dam is released, _____ energy is converted first to _____ energy.
9. At a hydropower facility, the _____ energy of flowing water can be used to spin a turbine and power a generator, creating _____ energy.
10. In a photovoltaic panel, the _____ energy of the sun is converted directly into _____ energy.
11. In a car, the _____ energy in gasoline is burned to create heat energy, which is converted to _____ energy.
12. In a propane-powered chili roaster, _____ energy is burned to create _____ energy.
13. In a modern wind turbine, _____ energy is converted to _____ energy.
14. A stove uses electric energy or _____ energy to create _____ energy.
15. When we run, the _____ energy stored in our muscles is converted to _____ energy.