

Name: _____

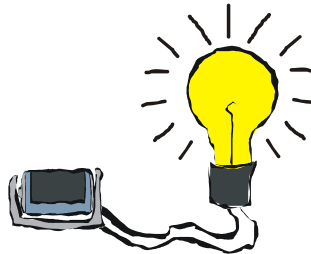
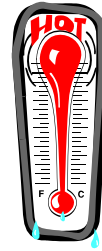
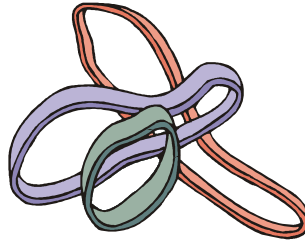
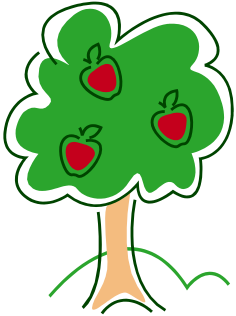
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Energy Transformation Practice

Energy Choices: mechanical, thermal, chemical, electrical, electromagnetic, nuclear, sound, gravitational, elastic, Kinetic,

Label the type of energy represented in each illustration:



Please identify the energy conversions in the following examples:

1. Electric Fan heater: _____ → Heat + _____

2. Gas Fire: _____ → _____ + light

3. Wind-up walking toy: elastic → _____

4. TV: _____ → Light + _____

5. Solar Sell: _____ → _____

6. Plants convert _____ to _____.

7. A car converts _____ energy to _____ energy when it moves.

8. When a match is lit, _____ energy converts to _____ and _____
9. In the sun, _____ energy is converted to _____ and _____ energy.
10. A windmill converts _____ energy to _____ energy.
11. A flashlight converts _____ energy to _____ energy.
12. A microwave converts _____ energy to _____ energy.
13. When you pedal a bicycle, you convert _____ energy to _____ energy.

Give an example of the following energy conversions:

14. Chemical to heat _____
15. Mechanical to Heat _____
16. Mechanical to electromagnetic: _____
17. Nuclear to heat _____
18. Electromagnetic to heat _____
19. Electromagnetic to mechanical _____
20. Heat energy to mechanical energy _____

List the energy transformations associated with the following actions.

21. Pencil falling from desk _____
22. Using a battery _____
23. Digesting food _____
24. Photosynthesis _____