

Middle School Science

Name:

Date:

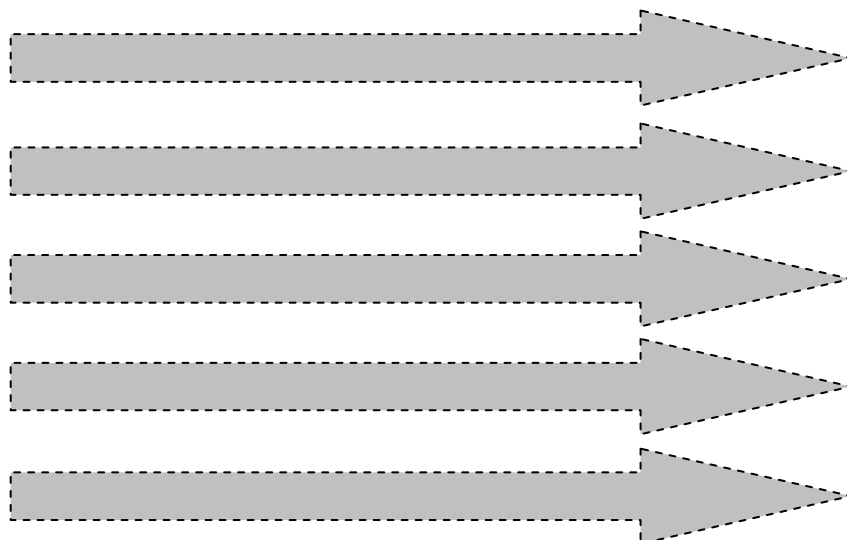
What is Energy Worksheet

This worksheet accompanies slide 6 of *What is Energy.ppt*

Energy transfer (Sankey) diagrams

Create diagrams by cutting out and arranging the labels below.

Electrical	Thermal
Light	Nuclear
Gravitational Potential	Chemical
Kinetic	Elastic Potential
Sound	



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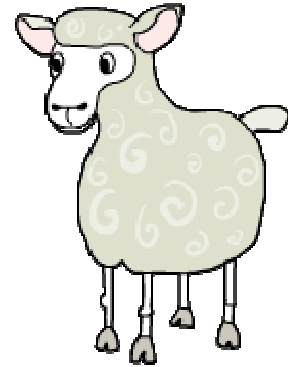
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Construct diagrams to show the energy transfers in the following:

1. Bicycle



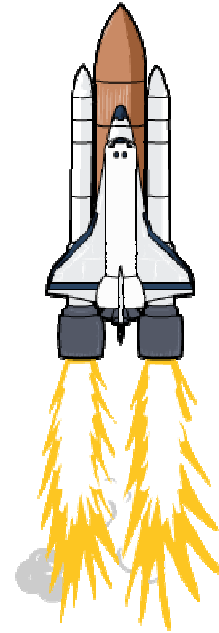
2. Sheep



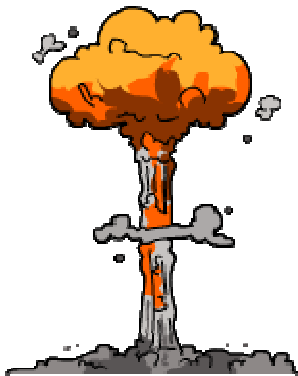
3. Blowdryer



4. Shuttle launch



5. Atomic bomb



6. Skydiver

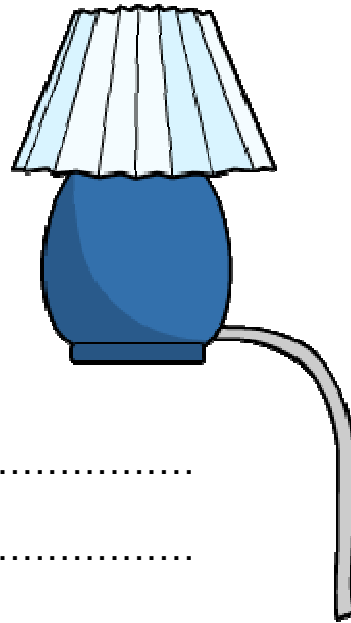


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1. Consider the energy transfers in this table lamp.



In what form is energy being wasted?

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2. How do you think the energy transfers would be different in a lamp using a more energy efficient light bulb?

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3. Consider the energy transfers in a bike. Is all the energy supplied by the cyclist transferred into useful kinetic energy? How is it wasted?

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