

Station # 1	1) Types of materials at this station:	2) How is energy transferred at this station:
Station # 2	1) Types of materials at this station:	2) What type of energy the object needs to function?" 3) How is energy transferred at this station:
Station # 3	1) Draw a picture of the materials at your station: :	2) What energy transfer happens as the toy car operates?
Station # 4	1) Describe a case where electrical energy is transferred into thermal energy.	1) Draw a picture of the energy transformation you just described. 1) Is energy lost during the transformation? Justify your answer.
Station # 5	1) List as many types of energy as you can	1) Give an example of each type of energy (use your book if you need it)
Station # 6	Write the form of energy that goes with each definition	1) _____ a form of energy resulting from changes in the nucleus of an atom. 2) _____ a form of energy produced by the vibration of particles of matter. 3) _____ a form of energy

		<p>that is produced by vibrations and can be heard</p> <p>4) _____ energy resulting from the flow of charged particles.</p> <p>5) _____ a form of energy that travels in waves through space and can be seen when it interacts with matter</p>
Station # 7	<p>1) What does this toy do?</p> <p>2) What energy transfers happen as the toy operates?</p>	<p>3) What form does the energy start out in?</p> <p>4) What form does the energy turn into?</p>
Station # 8	<p>1) What types of energy does the flashlight need to function?</p> <p>2) What type of energy does the flashlight produce?</p>	<p>3) What form does the energy transfer into?</p>
Station # 9	<p>1) What happens when you shine the flashlight on the radiometer?</p> <p>2) What happens when you turn the flashlight off?</p>	<p>3) Explain how the radiometer works.</p>
Station # 10	<p>1) What initial energy does the top have?</p>	<p>2) What causes the top to stop?</p>
Station # 11	<p>Hold the strings to your ears. Swing the hanger against the tabletop.</p>	<p>1) What happens?</p> <p>2) What form of energy is this?</p>