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| Station # 1 | 1) Types of materials at this station: <i>Radio</i> | 2) How is energy transferred at this station: <i>Energy goes from electrical to sound and light.</i> |
| Station # 2 | 1) Types of materials at this station: <i>A calculator</i> | 2) What type of energy the object needs to function?" <i>The sun</i> 3) How is energy transferred at this station: <i>Sun energy turns into light.</i> |
| Station # 3 | 1) Draw a picture of the materials at your station: <i>Picture of a car</i> | 2) What energy transfer happens as the toy car operates? <i>Energy from the battery makes car move</i> |
| Station # 4 | 1) Describe a case where electrical energy is transferred into thermal energy. <i>From the electrical energy in a to a heater</i> | 2) Draw a picture of the energy transformation you just described. <i>Picture of a heater</i> 3) Is energy lost during the transformation? Justify your answer. <i>No it just changes</i> |
| Station # 5 | 1) List as many types of energy as you can <i>Sound</i> <i>Light</i> <i>Heat</i> <i>Chemical</i> | 1) Give an example of each type of energy (use your book if you need it) <i>Nuclear</i> <i>Electrical</i> |

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| Station # 6 | Write the form of energy that goes with each definition 1) <i>Nuclear</i> 2) <i>Thermal</i> 3) <i>Sound</i> 4) <i>Electrical</i> 5) <i>Light</i> | 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 that is produced by vibrations and can be heard 4) _____ energy resulting from the flow of charged particles. 5) _____ a form of energy that travels in waves through space and can be seen when it interacts with matter |
| Station # 7 | 1) What does this toy do? <i>You bounce it</i> 2) What energy transfers happen as the toy operates? <i>The ball transfer energy and then it cant bounce anymore</i> | 3) What form does the energy start out in? <i>Bouncing</i> 4) What form does the energy turn into? <i>Not bouncing</i> |
| Station # 8 | 1) What types of energy does the flashlight need to function? <i>A battery</i> 2) What type of energy does the flashlight produce? <i>Light energy</i> | 3) What form does the energy transfer into? <i>It transfers from chemical energy to light energy.</i> |
| Station # 9 | 1) What happens when you shine the flashlight on the radiometer? <i>It moves</i> | 3) Explain how the radiometer works. <i>It must use sun energy maybe light?</i> |

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| | <p>2) What happens when you turn the flashlight off?</p> <p><i>It stops moving</i></p> | |
| <p>Station #</p> <p>10</p> | <p>1) What initial energy does the top have?</p> <p><i>It is moving when you give it energy.</i></p> | <p>2) What causes the top to stop?</p> <p><i>The energy gets transferred to the table.</i></p> |
| <p>Station #</p> <p>11</p> | <p>Hold the strings to your ears. Swing the hanger against the tabletop.</p> <p><i>I hear loud noises.</i></p> | <p>1) What happens?</p> <p>2) What form of energy is this?</p> <p><i>Sound energy</i></p> |