

Name:
Earth Science

Date:
Nork

Energy Transfer Lab Stations

1. List 3 examples of potential energy and 3 examples of kinetic energy. Also state the specific type of energy being described. For example: an apple has potential energy (chemical).

Follow the instructions at each lab station and record your observations in the space provided.

Station	Instructions	Explanation of energy transformations (include both source and type)
Radiometer Materials: heat lamp, flashlight, hairdryer	Use the three tools to see which spins the radiometer the longest	
Sound off Materials: tuning fork, rubber mallet, yarn tied to metal spoon	-Gently strike with the rubber mallet; observe -Wrap the 2 ends of the yarn around both index fingers and stick in your ears. Now gently hit the table with the spoon; observe	
Toys from Nork Boys Pt 1 Materials: bouncy ball, wind up plane, pull-back bus	Make them go	

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Toys from Nork Boys Pt 2 Materials: battery powered fan car, fortune teller fish	Ditto	
Yummy! Materials: Kashi® Go-lean bar	What energy transformations would occur after you ate one of these? (Hypothetical only- it's my lunch!)	
Plug it in Materials: lamp, pencil sharpener	Operate these devices, make observations and ID all of the energy transformations present	
A Mutual Attraction Materials: magnet, staples, pennies, foil	Try top make each object move using the magnet. ID the energy transformations present	
Enlightenment Materials: battery powered flashlight; Toyota magnetic flashlight	Turn on the regular flashlight; Read instructions for the magnetic flashlight and turn on; observe	
Telephone time Materials: cups tied to string, a friend	One person talks into the "telephone" and the other listens; observe	