

Lesson 11: How Do Energy Conversions and Transfers Work?

Activity 11.1

✚ Safety

Be sure to follow any instructions at each station. Do not touch items that are labeled with a “Do Not Touch” sign.

Purpose

To review how different types of energy can be converted/ transformed or transferred. Also, the purpose of this activity is to add two more types of energy to our list.

Word Wall:

Transform: _____

Open System: _____

Closed System: _____

Directions

Write a 1 complete sentence to describe what is happening in the station. Draw a diagram to demonstrate the energy conversions you see. Be on the look out for 2 more energy forms to add to our list!

Symbols:

→ means “converts/transforms to”
=>means “transfers to”

GE = Gravitational Energy
KE = Kinetic Energy
EE = Elastic Energy
TE = Thermal Energy

SE = Sound Energy
CE = Chemical Energy
ELE = Electrical Energy
LE = Light Energy

Your Progress:

- Mastery
- Proficient
- Developing
- Beginning

Description	Diagram
<p>Example:</p> <p>The alcohol under the spinning cup is lit on fire. As the heat rises the cup spins.</p>	<p>(Fire Burns) (Cup Spins)</p> <p>CE → TE → KE => KE</p> <p> ⚡ LE</p> <p> (Hot Air Rises)</p>
Station 1:	

Station 2:	
Station 3:	
Station 4:	
Station 5:	
Station 6:	
Station 7:	
Station 8:	