

PRACTICE

Activity 5: Interaction Chains, Energy Transfers, and the Fabulous Wake-Up System

Name _____

Date _____

Class _____

Energy Diagram Practice

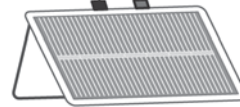
- Lisa connects a solar cell to a buzzer with wires, then takes the equipment outside to see if the buzzer will produce a sound. When the sun comes out from behind the clouds and shines directly on the solar cell, the buzzer generates a sound that Lisa hears.



Lisa's Ear



Buzzer



Solar Cell



Complete the energy diagram below by filling in the types of interactions, the names of the sources and receivers, and the type of energy transfer in the arrows. (The possible types of interactions and energy transfers are listed to the left of the diagram.)

- Types of Interactions:**
- Magnetic
 - Electric Charge
 - Electric Circuit
 - Light
 - Mechanical
 - Mechanical Wave

- Types of Energy:**
- Electrical
 - Light
 - Mechanical

