



## 9-12 ENERGY SCAVENGER HUNT

**Chaperones:** Use this Scavenger Hunt to guide your students through the exhibition areas. For many of the questions there is no one right answer, so encourage your students to think creatively and report back to you with their results. As you explore, think about using the following process skills: observation, prediction, inference, hypothesizing, planning, and investigating.



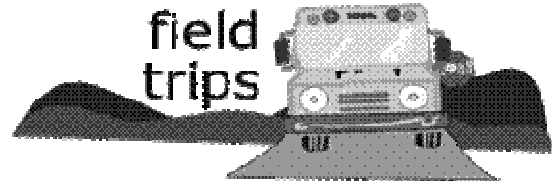
Use the ball launcher and describe examples of potential and kinetic energy.

Identify at least four different forms of energy found in the Gadgets exhibition area.

Create a circuit on the circuit table including the light bulb. Describe how the electricity is traveling in your circuit. Describe all forms of energy involved in this process.



Walk through the anechoic chamber (the little room to the right with bumpy white walls). What do you notice and how can you explain it?



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How many different forms of energy are at work in the bottle rocket?



Rub the handles of the Sonic Fountains. What happens? What types of energy is produced? What can you observe about waves?

Find the wave tank and try to create the largest and smallest waves you are able. What determines how big and how small the waves can be?

### COSI Connections

Think about the things you learned at COSI today. List one question that you still have about light, sound or energy that you would like to investigate when you return to the classroom.