



Activity 8

Evaluate Like a Scientist

Easy Life Tool

You have learned a lot about different forms of energy and how they can transform from one form into another. Now it is your turn to consider how this knowledge could help you design a simple machine. **Think** about the different forms of potential energy that make objects move. **Write** a list of tasks that would be easier to do with a tool. **Choose** one task and **design** a tool that would make this job easier to do, with less work for you. **Draw** your tool in action. **Use** arrows to show how the energy flows.

Life Skills I can decide on a solution to use.



Activity 9

Record Evidence Like a Scientist

Roller Coasters

Now that you have learned about energy and motion.
You first saw this in Wonder.

How can you describe the motion of a roller coaster now?



How is your explanation different from before?

Look at the Can You Explain? question. You first read this question at the beginning of the lesson.



Can You Explain?

How do moving objects get energy?

Now, you will use your new ideas about energy and motion to write a scientific explanation that answers the Can You Explain? question. To plan your scientific explanation, first **write** your claim:

My claim:

Next, **identify** two pieces of evidence that support your claim. **Record** your evidence in the first column. Finally, **explain** your reasoning. Reasoning ties together the claim and the evidence. Reasoning shows how or why the data count as evidence to support the claim.