



# Additional Activity

## Interactions in Machines

Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_\_

### Purpose/To Do

The purpose of this activity is to apply *InterActions* ideas to machines. For this activity, you should find 4 to 6 interactions in one specific machine. Include a photo or diagram of the machine or the part of the machine examined here. Use the format below to analyze each of the interactions you choose. Draw **force diagram** and write an **explanation** on page 2. You can use your own paper or make copies of this sheet. Part 2 (download separately) has questions about simple machines and energy efficiency.

Type of machine: \_\_\_\_\_

Describe the part of the machine where the interaction occurs: \_\_\_\_\_

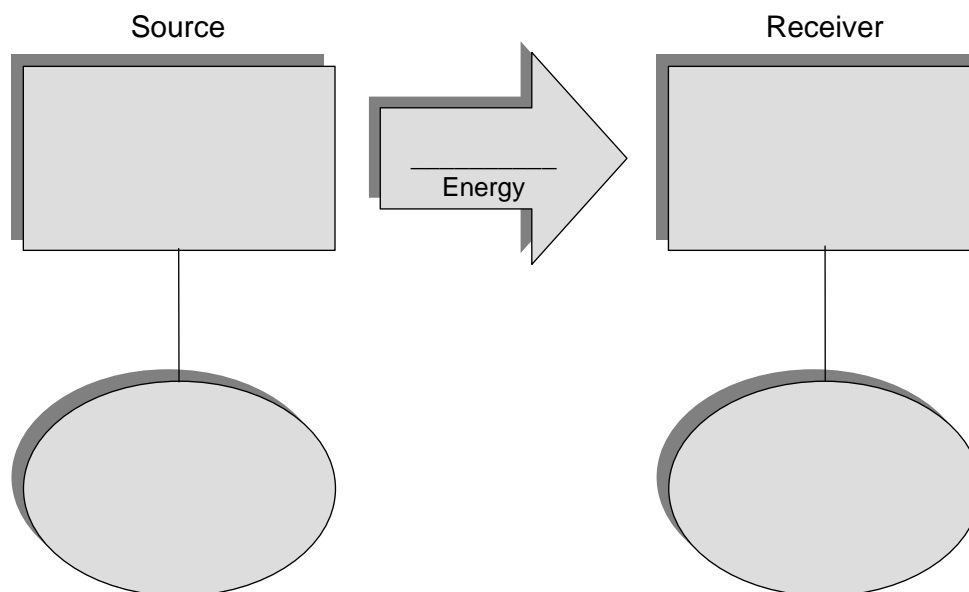
\_\_\_\_\_

What is the evidence that an interaction occurs? \_\_\_\_\_

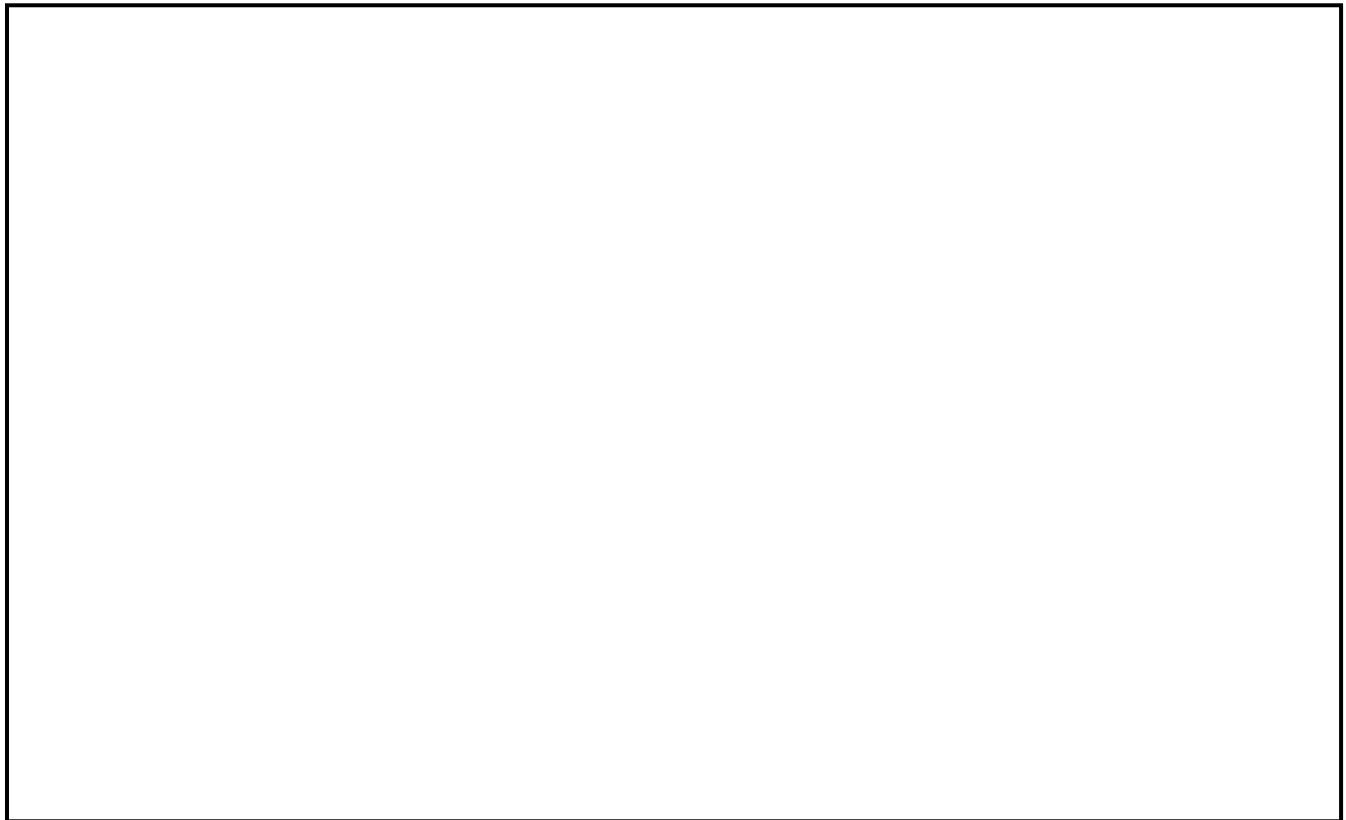
\_\_\_\_\_

\_\_\_\_\_

Type of Interaction \_\_\_\_\_



**Force Diagram** (mechanical and gravitational interactions only):



Certain changes in the part of the machine you're examining provide evidence that the interaction you're analyzing occurred. Explain why those changes occurred. \_\_\_\_\_

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