

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Powerful Pulleys: The Power of Mechanical Advantage Activity – Pulley Power Worksheet

### Instructions

1. Use the table below to fill in information about your pulley experiments. Try several trials of different setups, changing only single **variables** such as pulley setup, power, or total load.
2. Record important **observations** such as the ability to lift the books, the speed of lifting, and feel of tension in the string.
3. Compare results with your classmates.

Variables			Observations		
Pulley Setup	Power	Total Load	Abilities to Lift	Speed of Lifting	Tension in Strings
2 moving pulleys	50	5 books	Able to lift	Slow	Tight
0 moving pulleys	50	5 books	Unable to lift	-	Tight