

Name \_\_\_\_\_

## Pulleys and Levers: The Superheroes of Simple Machines!

### Short Answer

1. Give an example of a real-life situation where a fixed pulley could be used to make a task easier.
2. Explain how a movable pulley reduces the force required to lift an object.
3. Describe a block and tackle system and explain how it multiplies mechanical advantage.
4. Provide an example of a second-class lever and explain how it makes a task easier.
5. How does the mechanical advantage of a third-class lever differ from that of a first-class lever?

