

Name \_\_\_\_\_

## Cracking the Code of Mechanical Advantage: How Force Gets a Boost!

### Short Answer

1. Explain how a lever works and provides mechanical advantage.
2. Give an example of a real-life situation where a pulley system would be useful and explain why.
3. How does an inclined plane reduce the force needed to move an object?
4. Describe how a wedge is used in everyday life and why it makes tasks easier.
5. In what way do wheel and axle systems make tasks more manageable, and provide an example of their use.

