

Name _____

Pulleys and Levers: The Superheroes of Simple Machines!

Open-Ended Response Questions

1. Imagine you are building a treehouse, and you need to lift heavy wooden planks to the top. Describe how you could use both pulleys and levers to make this task easier and more efficient.
2. Discuss the advantages and disadvantages of using a movable pulley versus a fixed pulley in everyday situations.
3. Think of a sport or activity that relies on levers, and explain how understanding the principles of levers could help athletes improve their performance.
4. If you were to design a brand-new simple machine to help with a specific task, what task would it be, and how would your machine work? Describe the benefits it would offer compared to existing tools or machines.

