

Name _____

Hidden Simple Machines

Open-Ended Response Questions

1. Choose one of the everyday objects mentioned in the passage (e.g., door hinge, faucet, bicycle) and describe in detail how it functions as a simple machine. Explain its mechanical principles and how it simplifies daily tasks.
2. Explore the concept of mechanical advantage as it relates to simple machines. Choose two different examples from the passage and discuss how they provide mechanical advantage in their respective functions.
3. Reflect on the significance of recognizing and understanding simple machines in our daily lives. How can this knowledge enhance our appreciation for the objects and tools we use regularly?
4. Imagine a world without simple machines. Describe how daily tasks and routines would be different, and discuss the potential challenges people might face in a world devoid of these mechanical helpers.

