

Name _____

Introduction to Transportation

Open-Ended Response Questions

1. Consider a bicycle and its various components, including wheels, gears, and pedals. Explain how each of these simple machines contributes to the bicycle's overall functionality and efficiency in transportation.
2. Think about the impact of simple machines on transportation throughout history. Discuss how advancements in transportation technology, driven by simple machines, have shaped society, trade, and exploration.
3. Imagine a world without simple machines in transportation. How would it affect our ability to travel, trade, and connect with one another? Provide specific examples of how different modes of transportation would be affected.
4. Reflect on the future of transportation technology and the potential role of simple machines in upcoming innovations. How might simple machines continue to improve the efficiency and sustainability of transportation systems?

