

Name _____

Introduction to Transportation

Multiple Choice Questions

1. Which simple machine is commonly found in the landing gear systems of airplanes?
 - a. Pulley
 - b. Gear
 - c. Wheel and axle
 - d. Inclined plane

2. What is the primary function of gears in transportation systems?
 - a. Reducing friction
 - b. Changing direction of force
 - c. Controlling speed and power
 - d. Providing mechanical advantage for lifting

3. How do wheels and axles contribute to the efficiency of transportation?
 - a. By increasing friction
 - b. By reducing friction
 - c. By changing direction of force
 - d. By amplifying force

4. In which mode of transportation are inclined planes commonly used for loading and unloading cargo?
 - a. Trains
 - b. Automobiles
 - c. Bicycles
 - d. Ships

5. What is the function of levers in bicycles?
 - a. To change direction of force
 - b. To control speed and power
 - c. To provide mechanical advantage for lifting
 - d. To apply force efficiently for movement

