Name _____

Unveiling the Marvels of Levers: A Look into How Simple Machines Work

Multiple Choice Questions

1. What are the three main parts of a lever?
a. Fulcrum, input force, and output force
b. Handle, pivot, and blade
c. Wheel, axle, and load
d. Rope, pulley, and weight

2. What is the fulcrum in a lever?
a. The input force
b. The output force
c. The fixed point or pivot
d. The lever arm

3. How does a lever provide a mechanical advantage?
a. By making the input force shorter
b. By reducing the weight of the load
c. By using a longer lever arm on the output side
d. By allowing you to apply less force to lift a heavy load

4. Which of the following is NOT an example of a lever?
a. Crowbar
b. Pencil
c. Seesaw
d. Wheelbarrow

5. In a pair of scissors, where is the fulcrum located?
a. At the tip of the blades
b. At the base of the handles
c. In the middle, joining the two blades
d. There is no fulcrum in scissors