

Name \_\_\_\_\_

## Hidden Simple Machines

### Multiple Choice Questions

1. What is the function of a door hinge?
  - a. It regulates water flow.
  - b. It controls the speed of cutting.
  - c. It serves as a pivot point for opening and closing doors.
  - d. It lifts and lowers elevator cars.
  
2. How do scissors work as a simple machine?
  - a. By reducing friction with the ground.
  - b. By controlling the flow of fluids.
  - c. By leveraging the mechanical advantage of double levers.
  - d. By using gears to change speed and power.
  
3. What is the purpose of the large wheel in a wheelbarrow?
  - a. To open and close valves.
  - b. To rotate the cutting wheel.
  - c. To reduce friction with the ground and make transporting heavy materials easier.
  - d. To serve as a pivot point for door movement.
  
4. How do gears contribute to the function of a can opener?
  - a. By controlling the speed and power of cutting.
  - b. By regulating water flow.
  - c. By reducing friction with the ground.
  - d. By serving as a pivot point for door movement.
  
5. What type of simple machine is used to control the flow of fluids in a faucet?
  - a. Lever
  - b. Wheel and axle
  - c. Valve
  - d. Pulley

