



Simple Machines

Name: _____

Date: _____

Grade: Grade 3

Part A: Multiple Choice

Circle the best answer for each question.

1. A bicycle uses several simple machines. Which one does the pedal and gear system act as?

- A) Inclined plane
- B) Wedge
- C) Wheel and axle
- D) Screw

2. Two pulleys used together let you lift a heavy load with even less force. What is this setup called?

- A) A compound machine
- B) A block and tackle
- C) A double lever
- D) A gear train

3. Which statement about work is correct?

- A) Work happens only when an object moves
- B) Holding a heavy book is always work
- C) Simple machines create extra work
- D) Work cannot involve force

4. A road that winds around a mountain instead of going straight up is an example of which simple machine?

- A) Lever
- B) Wedge
- C) Pulley
- D) Inclined plane

Part B: Fill in the Blank

Write the correct answer on each line.

1. A machine made of two or more simple machines working together is called a _____ machine.
2. A pair of pliers combines two _____ that pivot on a shared point.
3. Turning a large steering wheel requires less _____ than turning a small knob.
4. A shovel uses a wedge to cut into soil and a _____ to lift it out.
5. The trade-off with simple machines is less force but greater _____.

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3. Turning a large steering wheel requires less force than turning a small knob.
4. A shovel uses a wedge to cut into soil and a lever to lift it out.
5. The trade-off with simple machines is less force but greater distance.