



Simple Machines

Name: _____

Date: _____

Grade: Grade 3

Part A: Multiple Choice

Circle the best answer for each question.

1. Why does using a longer ramp require less force to move a heavy box?

- A) The box becomes lighter on a longer ramp
- B) The force is spread over a greater distance
- C) Longer ramps have no friction
- D) The box rolls faster on longer ramps

2. Which tool is an example of two levers working together?

- A) A hammer
- B) A pair of scissors
- C) A screwdriver
- D) A light bulb

3. A child sits far from the fulcrum on a seesaw. What happens?

- A) The seesaw breaks apart
- B) The child has more lifting force on the other side
- C) The seesaw cannot move at all
- D) The child weighs less than before

4. Which simple machine would best help raise a bucket of water from a well?

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

Part B: Fill in the Blank

Write the correct answer on each line.

1. A screwdriver turns a screw by acting as a wheel and _____.
2. A _____ is a thick-to-thin shaped tool used to split or separate objects.
3. The six simple machines are the lever, pulley, wheel and axle, inclined plane, wedge, and _____.
4. Construction workers use _____ to lift heavy steel beams to the top of buildings.
5. A bolt holds things together using spiral _____ cut into its surface.

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Part B: Fill in the Blank

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1. A screwdriver turns a screw by acting as a wheel and axle .
2. A wedge is a thick-to-thin shaped tool used to split or separate objects.
3. The six simple machines are the lever, pulley, wheel and axle, inclined plane, wedge, and screw .
4. Construction workers use pulleys to lift heavy steel beams to the top of buildings.
5. A bolt holds things together using spiral threads cut into its surface.