

Simple Machines Review

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Understanding Ramps, Wedges, and Screws

Name: _____

Date: _____

Answer the following questions based on what you learned about inclined planes.

1. What are three types of inclined planes we learned about today?

- A. Ramps, Wedges, and Screws
- B. Hammers, Levers, and Pulleys
- C. Ramps, Wheels, and Axles

2. How do inclined planes make work easier?

3. A ____ is a flat inclined plane that helps move heavy things up or down.

4. What shape is a wedge?

- A. Circular
- B. Triangular
- C. Square

5. Can you think of tools that use screws or wedges? Name one.

6. Draw a line from each type of inclined plane to its description.

Ramp

Wedge

Screw

Splits things apart

Moves heavy objects

Spiral shape

7. Why did God design machines like inclined planes?

- A. To make work harder
- B. To make work easier
- C. To confuse us

8. Two are better than one, because they have a good reward for their ____.

9. Where have you seen ramps being used? Describe one place.

10. What do inclined planes do to the force needed to move objects?

- A. Increase the force
- B. Reduce the force
- C. Keep the force the same

Answer Key

1. Ramps, Wedges, and Screws 2. They spread out the work over a longer distance. 3. ramp 4. Triangular 5. A screwdriver uses a screw. 6. Moves heavy objects 7. To make work easier 8. labor 9. I have seen ramps at the skate park. 10. Reduce the force