

Understanding Levers

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The Power of Position

Name: _____

Date: _____

Answer the following questions based on what you learned about levers.

1. What are the three main parts of a lever?

- A. Load, effort, fulcrum
- B. Force, motion, position
- C. Weight, balance, pivot

2. A lever helps us move heavy objects by changing the ____ needed to lift them.

3. Why do you think levers make work easier?

4. What happens when you move the fulcrum closer to the load?

- A. It requires more force
- B. It requires less force
- C. It doesn't change the force needed

5. Draw a line from each lever part to its definition.

Load

Effort

Fulcrum

The object being moved

The force you apply

The support point of the lever

6. Ecclesiastes 4:9 teaches us that ____ are better than one.

7. Where have you seen levers used in everyday life?

8. Why is it important to recognize God's design in simple machines?

- A. Because they are fun to use
- B. Because they help us work better
- C. Because they are all we need to live

9. When using a lever, the position of the ____ can greatly change how much effort we need.

10. What is one example of a lever you learned about?

Answer Key

1. Load, effort, fulcrum 2. force 3. Because they allow us to lift heavy things with less effort. 4. It requires less force 5. The object being moved 6. two 7. I have seen levers used in seesaws and crowbars. 8. Because they help us work better 9. fulcrum 10. A seesaw is an example of a lever.

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