

Instructions

Complete the following activities to learn more about levers. Write your answers in the spaces provided.

1. Match the Terms

- | | | |
|------------|----------------------|--|
| a. Lever | <input type="text"/> | A. A point that supports a lever |
| b. Fulcrum | <input type="text"/> | B. A simple machine that consists of a rigid bar that moves around a fixed point |
| c. Effort | <input type="text"/> | C. The force applied to move the load |
| d. Load | <input type="text"/> | D. The weight being lifted or moved |

2. Short Answer Questions

1. Name one example of a lever you might find in your home.

2. What is the purpose of the fulcrum in a lever?

3. If you apply more effort to a lever, what happens to the load?

3. True or False

4. A lever can only lift heavy loads if it has a long handle. (True or False)

4. Long Answer Question

5. Name and describe two types of levers (first class and second class). How are they different?

5. Draw and Label

6. Draw a simple lever below and label the fulcrum, effort, and load.

6. Bonus Question

7. Name three other simple machines you know. Can any of them work like a lever?