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
Class: \_\_\_\_\_

1 What is a lever?

- A Any piece of metal that bends
- B Any bar or a rod that's set up to tilt on a fulcrum
- C Any bar that's used to lift a load
- D Any bar that's attached to a pulley

2 Which device uses a lever?

- A A seesaw
- B A pair of tweezers
- C A wheelbarrow
- D All of the above

3  What is the following point called?

- A The load
- B The effort
- C The fulcrum
- D The lever





4 What happens if you decrease the distance between the fulcrum and the load?

- A You have to use more force to move the load
- B You can use less force to move the load
- C You have to decrease the length of the lever
- D You have to increase the height of the fulcrum

5 What defines a first-class lever?

- A The fulcrum is between the effort and the load
- B The load is exactly centered between the fulcrum and the lever
- C The effort is between the fulcrum and the load
- D The effort is between the fulcrum and the lever

6 Which of the following is a second-class lever?

- A  teeter-totter
- B  wheelbarrow
- C  scales (balance)
- D  tweezers

7 Which of the following is a true statement?

- A It's easier to lift a heavy weight straight up than it is to slide it up a ramp
- B When you use a lot of effort, a load becomes lighter
- C When you use a minimum amount of effort, a load becomes heavier
- D When you increase the distance over which effort is expended, you don't have to work as hard

8 What defines a third-class lever?

- A The fulcrum is between the effort and the load
- B The fulcrum is in the exact center
- C The fulcrum and lever are equidistant from the load
- D The fulcrum and effort are at the same end

9  What kind of lever is your arm?

- A A first-class lever
- B A second-class lever
- C A third-class lever
- D A fourth-class lever

10 How is a class 3 lever different from class 1 and class 2 levers?

- A A class 3 lever makes the job easier, but decreases the movement of the load
- B A class 3 lever makes the job easier, but increases the movement of the load
- C A class 3 lever makes the job harder, but increases the movement of the load
- D A class 3 lever makes the job harder, but decreases the movement of the load