

Max the Monkey's Levers and Pulleys Quiz

Learning objective: To identify how levers and pulleys help us lift and move objects with less effort.

Hello! Max the monkey here. I love solving puzzles. Read each question carefully. Use the word bank at the bottom if you get stuck. Write your answer in the box.

Answer Key: 1. A (Lever), 2. True, 3. Pivot, 4. B (Pulley), 5. False, 6. Effort, 7. A (Load), 8. True, 9. Wheel, 10. True.

Word bank: Lever · Pulley · Load · Effort · Pivot · Rope · Wheel

1. Which simple machine uses a bar and a pivot to lift heavy things? A) Lever* B) Pulley C) Spring D) Screw (1 mark)

2. True or False: A pulley uses a wheel and a rope to help lift objects. (1 mark)

3. What is the name of the point where a lever turns or balances? (1 mark)

4. Which machine is best for lifting a bucket up a high wall? A) Lever B) Pulley* C) Hammer D) Ruler (1 mark)

5. True or False: You need more effort to lift a heavy box with a lever than by using your hands alone. (1 mark)

6. Fill in the blank: The force you use to push down on a lever is called the _____. (1 mark)

7. What is the object you are trying to move or lift called? A) Load* B) Pivot C) String D) Clip (1 mark)

8. True or False: A playground seesaw is an example of a lever. (1 mark)

9. A pulley needs a _____ to help the rope move smoothly. (1 mark)

10. True or False: Simple machines make work feel easier. (1 mark)

Draw: Draw a picture of a pulley lifting a heavy basket. Label the rope and the wheel.



Extension challenge: Max has a heavy box that costs £2 to move. If he moves 5 boxes using his lever, how much 'effort' money has he saved in energy? Write a sentence about why he chose a lever instead of lifting them by hand.