

# Max's Mechanical Machines: Levers and Pulleys

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

Max the monkey is building a machine to help him carry his heavy fruit. Help him solve these puzzles! Use the word bank to help you write your answers. Write in clear, short sentences.

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

**1. Max has a heavy bag of bananas. He uses a long stick over a stone to lift it. What is this simple machine called? (1 mark)**

---

**2. In the machine above, the stone that the stick rests on is called the \_\_\_\_\_. (Fill in the blank) (1 mark)**

**3. Max needs to lift a basket to the top of a tree. He uses a wheel and a rope. What is this machine called? (1 mark)**

---

**4. Why do we use levers and pulleys? Tick the correct sentence:**

☐ To make objects heavier.

☐ To make lifting objects easier. (1 mark)

---

**5. What do you need to pull on to make a pulley work? Start your sentence with: 'You need to pull on the...' (2 marks)**

---

---

**Draw:** Draw a picture of a simple lever. Draw a long stick, a heavy rock (the load), and a small stone in the middle (the pivot).



*Extension challenge: Can you find one thing in your classroom or home that uses a lever? Write its name below.*