

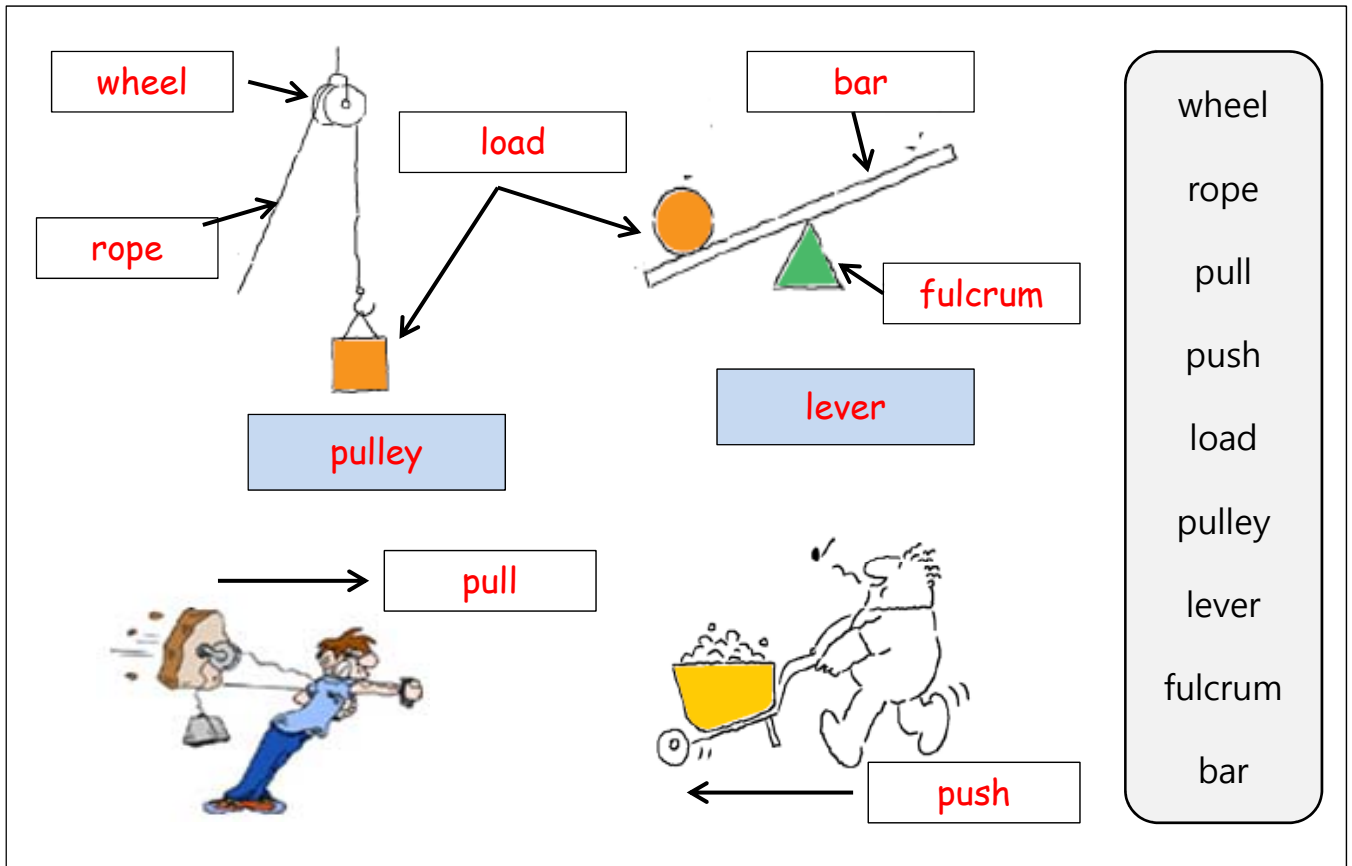
Alpha Level 4

# Making Work Easy

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**A** Label the each part of simple machines



**B** Circle the word with the same meaning as the underlined word.

- How do people move them?
  - ☒ a) carry
  - b) load
  - c) leave
  - d) act
- People use bottle openers to remove bottle tops.
  - a) attach
  - ☒ b) lift off
  - c) hire
  - d) install
- Scissors are just two levers joined in the middle.
  - a) separated
  - b) divided
  - ☒ c) attached
  - d) enrolled
- People use cranes to move heavy loads on and off ships.
  - a) light
  - b) gloomy
  - c) little
  - ☒ d) weighty
- Rock climbers also wear safety harnesses.
  - a) take off
  - ☒ b) put on
  - c) hop in
  - d) get in

**C Complete the sentences using words in the box.**

**Word Box**

How, made, from, in, to, on and off

1. A pulley is made **up of** a wheel and a rope.
2. The safety harness is attached to one end of a rope.
3. Scissors are just two levers joined in **the middle**.
4. People use cranes to move heavy loads on and off ships.
5. It can move the load up and down or from side **to** side.
6. How **many** pulleys can you see?

**D Complete the sentence using the sentence pattern in the box.**

**Questions with How ~**

**How** do you get a flag to the top of a flagpole?

⇒ I **use a pulley** to make the flag go up.

1. How do people move up and down the outside of tall buildings?  
⇒ People wear safety harnesses that is attached to a rope.
2. How do people get a top off a bottle?  
⇒ People use bottle openers to remove bottle tops.
3. How do people move heavy boxes or furniture ?  
⇒ People use hand carts to move heavy boxes or furniture.
4. How do people move things around in a garden?  
⇒ People use wheelbarrows to move things around in a garden.

## A Answer the following questions.

- 1) What is the book about?
  - ☒ a) Pulleys and levers make work easier.
  - b) A pulley is made up of a wheel and a rope.
  - c) A lever is a bar or rod.
- 2) What machines help to make moving heavy things easier? (pg. 6)
  - ☒ a) Pulleys
  - ☒ b) Levers
  - c) Scales
- 3) What is **NOT** true about a pulley? (pp. 5-11)
  - a) A pulley is made up of a wheel and a rope.
  - b) A pulley can help people move load up, down or sideways.
  - ☒ c) A pulley can be pushed down or pulled up to help lift things.
- 4) What is **NOT** true about a lever? (pp. 12-18)
  - a) A lever is a bar of rod.
  - ☒ b) A lever is a simple lifting machine.
  - c) A bottle opener is a lever.



## B Match the picture and the sentence.



A pulley



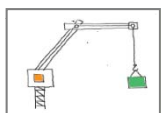
A lever



Scissors



A hand cart



A crane

are two levers joined in the middle.

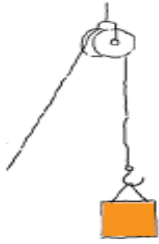



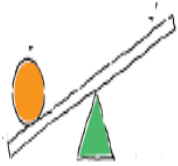




can lift something heavy

has pulleys and levers

is an example of a lever

makes lifting a lid easy

# C Complete the chart for the story.

	What are they?	How do they work?	Examples
<p><u>pulley</u></p> 	<p>A pulley is a simple lifting machine.</p> <p>A pulley is made of a <u>wheel</u>, a <u>rope</u> or a <u>chain</u>.</p>	<p>If you want to raise the object... <u>Attach</u> one end of the rope to the object.</p> <p><u>Pull</u> the other end of the rope.</p>	 sail  flagpole  safety harness
<p><u>lever</u></p> 	<p>A lever can make moving something easier.</p> <p>A lever has three parts. The force arm, the load arm and the <u>fulcrum</u>.</p>	<p>A lever can be <u>pushed</u> down or <u>pulled</u> up to help lift and move things</p>	 sea saw  bottle opener  scissors  wheel barrow
pulley / lever	attach / rope / wheel / chain / pull / pulled / pushed		

# D Write and Speak.

We use levers and pulleys everyday.

A bottle opener is an example of a pulley.

A wheel barrow is an example of a lever.

A flagpole is an example of a pulley.

A sea saw is an example of a lever.

Answers can vary