Think and learn

1 **Read and circle the correct words .**

1 Levers help us to **lift things** / **join things together**.
2 Pulleys use a wheel and a **rope** / **ramp** to move things.
3 Wheels and axles help us to move things using **circular** / **high** parts.
4 **Ramps** / **Screws** help us to move heavy things from low to high, or high to low.
5 Screws help us to **join things together** / **move things**.
6 Wedges are used to cut or separate things, or to **stop things from moving** / **lift heavy things**.
7 The **wedge** / **lever** family includes ramps and screws.
8 The **wedge** / **lever** family includes wheels and axles, and pulleys.

2 **What kinds of machines are they? Look and write. You can use the words more than once.**

lever wheel and axle pulley ramp screw wedge



screw



















3 **Which family are they in? Look again at the photos from Activity 2 and write the numbers in the correct place.**

lever family	
wedge family	1

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4 What are they? Look and write the letter.







1 rollercoaster ☐
2 fishing rod ☐
3 tin opener ☐

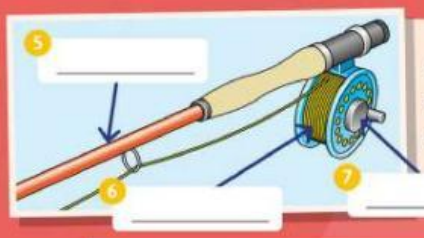
5 Read and write the names of the machines from Activity 4.

Simple and compound machines

A compound machine is a combination of two or more different simple machines. The different machines work together and can do more difficult jobs than simple machines can do on their own. Let's look at some of the examples around you.

A _____ helps you to get into your baked beans. But can you guess what simple machines it uses? Well, it actually uses four – levers, a wheel and axle, a screw and a wedge!





Something else that could help you with food is a _____. This compound machine consists of a lever, a wheel and axle, and a pulley.

A _____ is even more complex. It uses almost every kind of simple machine, but it's the ramps that make it so much fun!



6 Read the text in Activity 5 again and label the diagrams with the names of the simple machines.

7 Project **Find an example of a compound machine in your home. Draw it and write sentences about it.**

Think about:
- what it is for and what it does.
- what simple machines it is made of.
- what the simple machines do.

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