



What should I already know?

A **mechanism** is a set of parts that move together to make something happen.
 A **slider** is a mechanism that moves in a straight line in one direction.
 Many things have parts inside them that help them work.

Vocabulary

lever	Something that moves from a point or pivot.
mechanism	A set of parts that move together to make something happen.
pivot	The point where the lever moves from.
curved	Something that bends and is not straight.
direction	The way something moves or points.
rotate	To turn around a point.
material	What something is made of.
purpose	The reason why something is made or used
select	To pick something from a group of things.
evaluate	To think carefully about something and decide how good it is.
label	To add a word or group of words to show what a part of a picture is.

1. How do seesaws work?



Sticky Knowledge A **lever** is something that moves from a point or pivot. A **pivot** is the point where something turns or moves.

2. How do I build a moving picture using pivots and levers?



Sticky Knowledge A **lever** moves an image across the page. It **rotates** around the **pivot**.

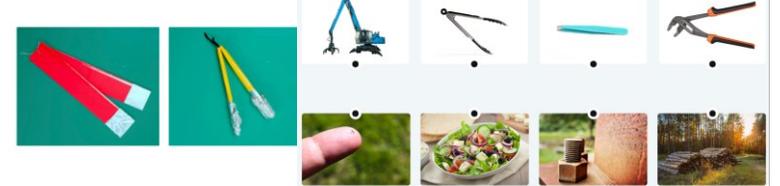
3. Are scissors levers?



Sticky Knowledge **Levers** help make jobs easier. They can be used for **lifting**, **cutting** and **weighing**. Moving the **pivot** changes how the **lever** moves.

4. How do I make a mechanism with two levers?

Two-lever mechanism examples:



Sticky Knowledge Different levers have different uses. They may be different sizes, made from different **materials**, some are stronger or shaped for different jobs - **purpose**.

5. What is the best design for a litter picker?

A **lever** is a bar that moves from a point or a pivot. It can:



Different levers are used for different **purposes**. For example, to **cut**, **lift** or **grab** things.

Sticky Knowledge **Levers** help us move things more easily. They can help **grab**, **lift** or **cut**. Pushing one end of the lever makes the other end move.