

# **Levers and Linkages**

# Making it Move

**Lever** - The simplest type of mechanism is called a **lever**. A lever is a stiff bar which moves around a pivot. The pivot can be **loose** or **fixed**. Levers are used in many products.



pivot

stiff bar

# Making it Move

**Linkage** - the card strips joining one or more levers to produce the type of movement required.

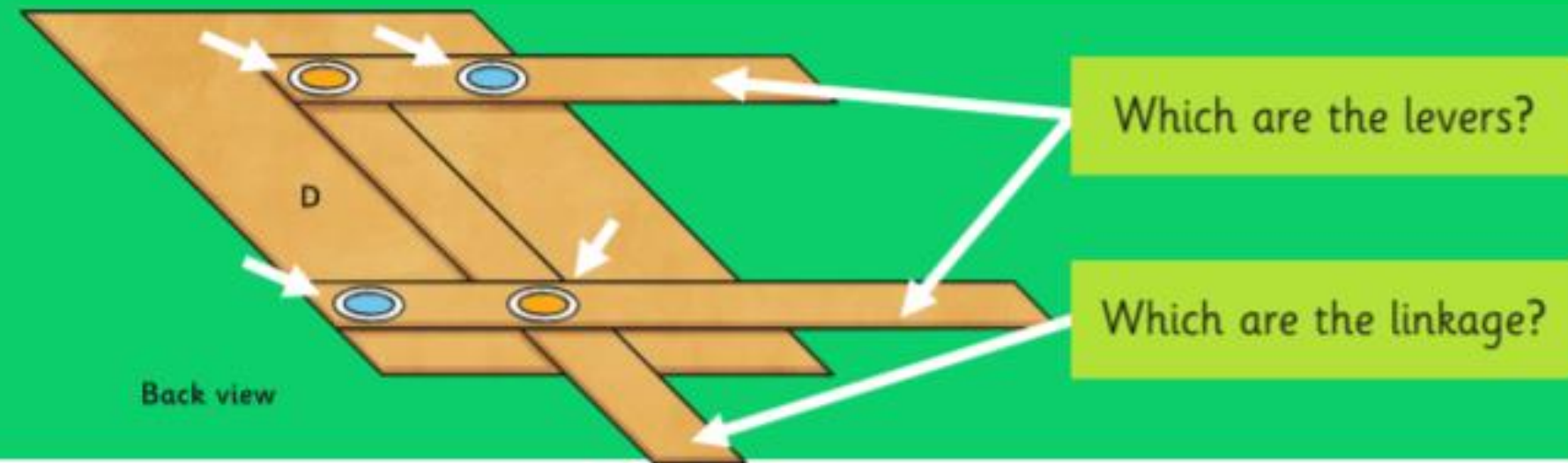


Can you explain the difference between a lever and a linkage?

# Identifying Levers and Linkages



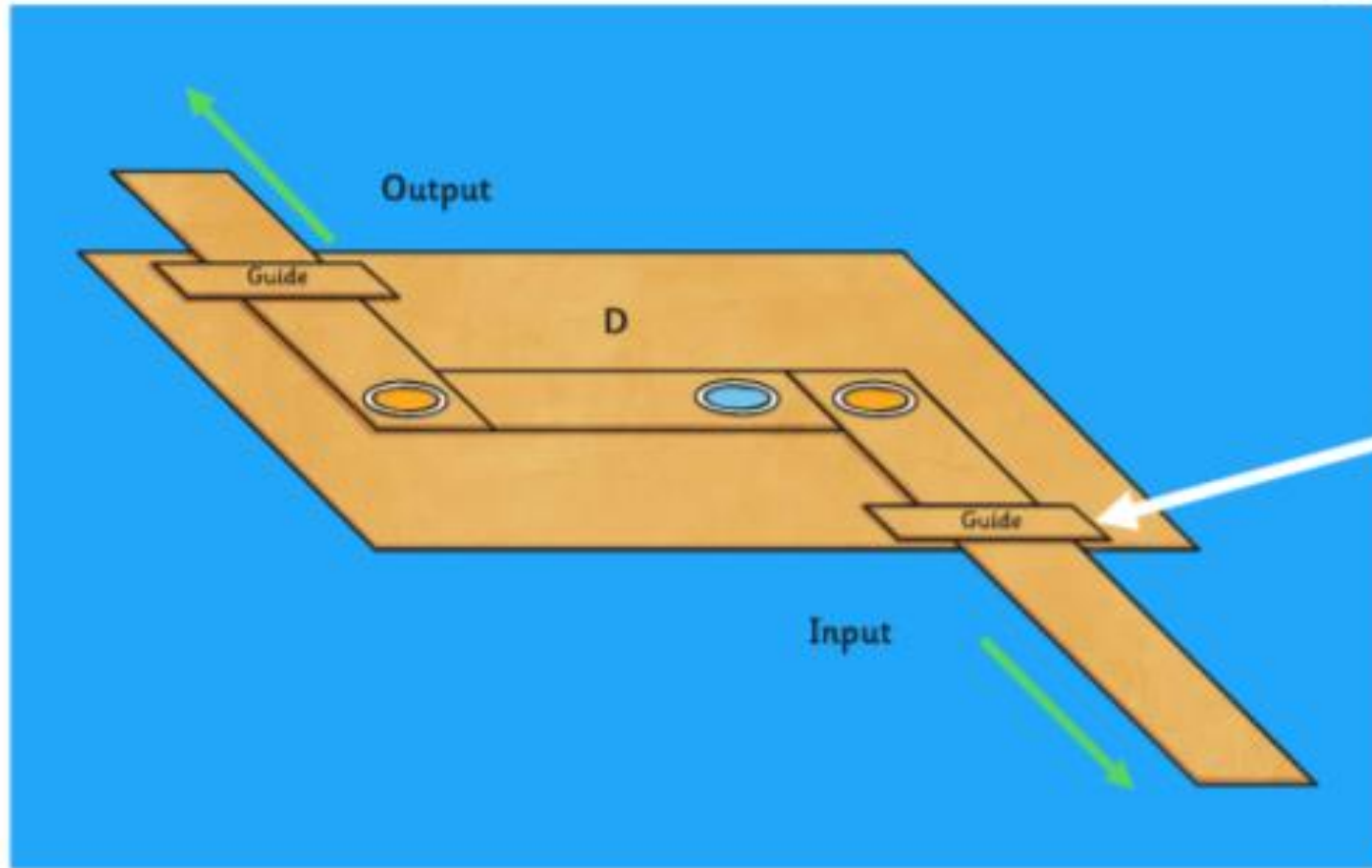
Can you identify the levers and linkages?



**Loose pivot** - a split pin that joins card strips together.

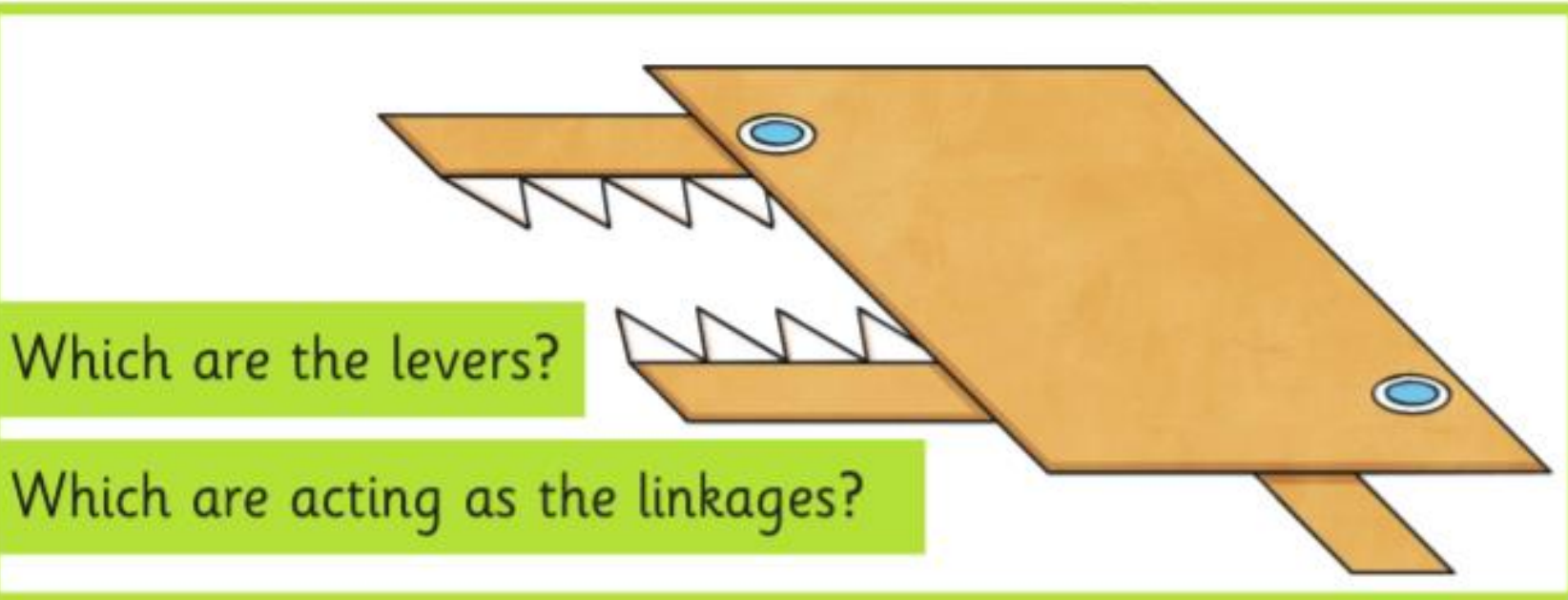
**Fixed pivot** - a split pin that joins card strips to the backing card.

# Identifying Levers and Linkages



**Guide** - a guide is used to keep lever and linkage mechanisms in place and control movement.

# Identifying Levers and Linkages



Which are the levers?

Which are acting as the linkages?

Can you find the loose pivots- a split pin that joins card strips together.

Can you find the fixed pivots - a split pin that joins card strips to the backing card.