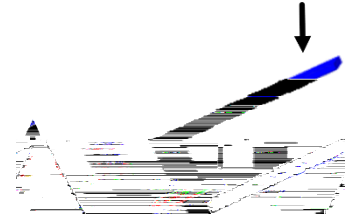


Name:

Levers

Simple Machines



Levers are used to help lift heavy objects

Lever: a simple machine that is used to change the direction of **force** needed to move an object over a **fulcrum** (pivot point)

The different kinds of levers depend on where the **fulcrum** is located
They work by using a strong **beam** that pivots at a point called the **fulcrum**
The **beam** spreads the weight of the object across a longer distance
The **fulcrum** is where the beam pivots, creating **leverage**, making it easier to lift objects on other side

Draw a diagram of a **lever**: label the **beam** and **fulcrum**

Name 3 levers you might see in everyday life:

1. _____
2. _____
3. _____

Levers are used when objects are too **heavy** to pick up by hand

Using a **lever** allows you to change the direction you apply **force** to move an object over a pivot point

Instead of trying to lift an object from the side, a lever will allow you to lift it across a **beam**

This allows you to lift the object up with more strength because you can get all of your weight behind it!

The **longer** the beam, **the more leverage**: label the

