

What is Balance?

Balance



is a state in which opposite forces are equal – having the same weight on both sides.

What is the center of gravity?

Center of gravity / center of mass



is the point in an object where the weight is even on all sides.

For an evenly shaped object, like a ball or ruler, the center of gravity would be at the middle of the object.

For unevenly shaped objects, the center of gravity is actually not quite at the center.

EXPLORE

Try to balance a pencil on your finger



Try to balance a spoon on your finger



For this experiment you will need:

- Large bottle of water
- Toothpicks & Skewers
- Glue gun or glue dots
- Carrot piece
- Bottle caps, marshmallows, balloons, construction paper, Clothespins...