

# WHAT IS DENSITY?

It is how we describe how much space something (an object or a liquid) takes up in relation to the amount of matter in that object or substance.



WHICH OBJECT IS HEAVIER?

Is the big pillow heavier than the smaller brick?

If an object is **light** and takes up a lot of space it has a **LOW** density, like the pillow.



If an object is **heavy** and compact it has a **HIGH** density, like the brick.

**REMEMBER:** A big object is not always heavier than a smaller object.



ARE ALL LIQUIDS THE SAME?

Do they all weigh the same or are some liquids heavier than others?

WE KNOW THAT OIL AND WATER DON'T MIX. IN OUR EXPERIMENT, ADDING SALT CREATED MOVEMENT BETWEEN THE OIL & WATER.

Oil is less dense than water so it floats on the top of water.

