

Density Checklist

- You should know that density is a measure of how closely packed together the particles are so a gas will be less dense than a liquid.
- Be able to use the equation $density = \frac{mass}{volume}$. You don't need to learn this equation, you will be given it.
- You need to remember that the units of density are kg/m^3
- Less dense things float or rise when surrounded by more dense things.
- You should be able to describe an experiment to measure the density of objects, both regularly shaped like cubes and irregular shapes like plastic tigers.
- Regular objects e.g. rectangular glass block – measure the length of the sides with a ruler and multiply them together to get the volume. Put the block on a balance to get the mass.
- Irregular objects e.g. plastic tiger – fill up a displacement can with water. Put tiger in water and collect the water displaced as it comes out of the spout. Measure the water with a measuring cylinder to get the volume.