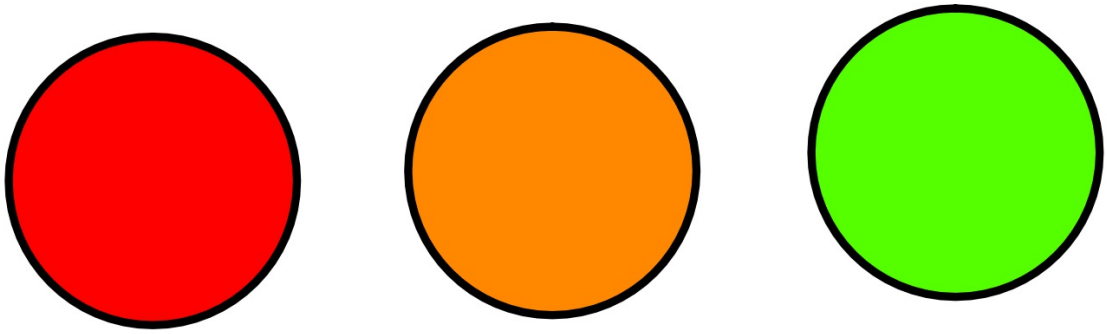
We are going to investigate another property of materials today.

We are learning that some objects float and some sink.

We are learning to predict.



Can you explain what float means?

What will it look like if it floats?

Can you explain what sink means?

What will it look like if it sinks?

How could we test whether an object will float or sink?

We need to think about what we expect might happen.

We will then make a sensible guess or predict whether it will float or sink.

Collect 6 objects made from different materials e.g. wooden pencil, fabric, metal spoon, rubber band, glass marble, plastic toy

Make a prediction, (sensible guess), as to whether you think each one will float or sink. Record in the table.

Floating or sinking

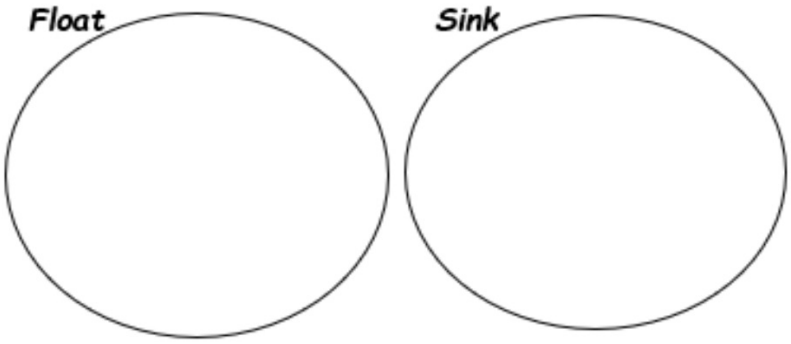
Material name e.g. wood	*Your prediction Will it float or sink?*	*After testing Were you correct?*

Now place one object in the water. Does it float or does it sink? Draw it in the right set. Record whether you had predicted correctly or not.

Floating or sinking

Material name e.g. wood	*Your prediction Will it float or sink?*	*After testing Were you correct?*

I found out:



What did we find out?

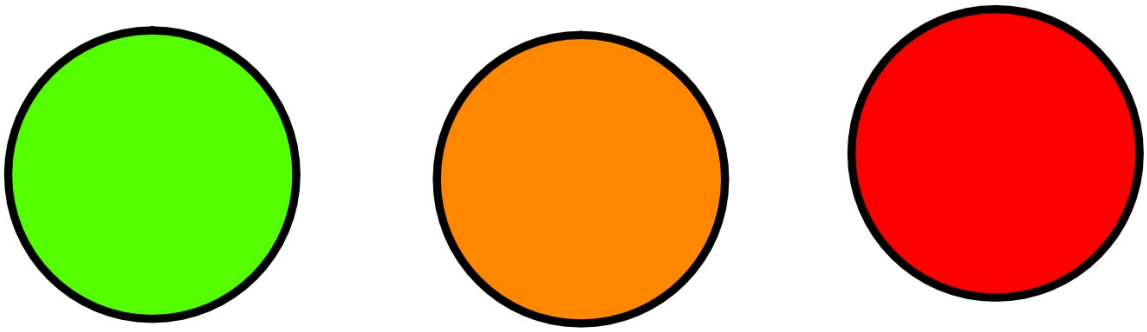
Did anything surprise you?

Can you explain why?

Can we change something that floats into something that sinks?

I know that some things
float and some things sink.

I can make a prediction.



If the object is heavier than the same volume of water it will sink. It is more dense.

If the object is lighter than the same volume of water it will float. It is less dense.