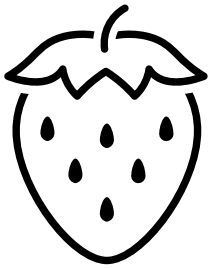
If an object has ***Buoyancy***

it means it can float. Let's see which of these two objects we placed in water has buoyancy.

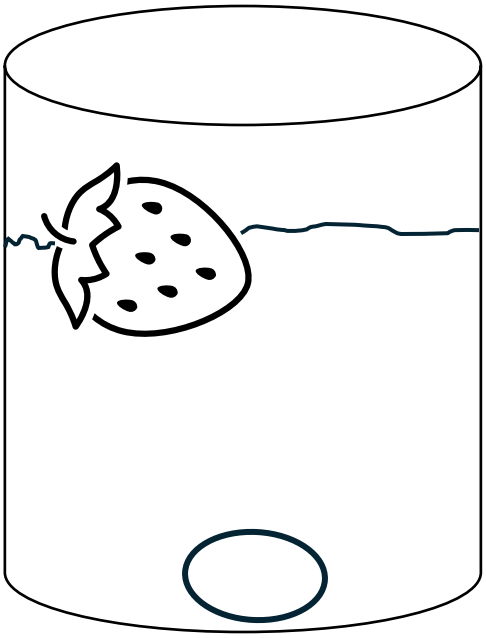


Which object is bigger, the strawberry or the grape tomato?

Which one is heavier?

What shape is each object?

What else do you notice about them?



What happened when you put the strawberry into the glass of water?

What happened when you put the tomato into the glass of water?

Hypothesis	Test	Results	Conclusions and New Questions

Everything is made of tiny pieces we can't see called ***matter***. If we measure how much matter is inside something, we are measuring the ***mass***. Some objects are small, but they have a lot of matter squeezed very tightly inside them. That means they have a lot of ***density***. Some objects are big, but their matter is spread out. These have less density. Just because something is big doesn't mean it has more density than something that is small.

The small tomato we observed had more density than the big strawberry. It also had more density than the water. That's why the tomato sank to the bottom of the glass, but the strawberry floated to the top. The strawberry had less density than the water.

Take a marker and draw tiny pieces (particles) of matter inside the strawberry and the tomato. For the tomato, draw lots of little dots very close together filling the tomato. For the strawberry, draw the dots far apart from each other. Now draw the matter in the water.