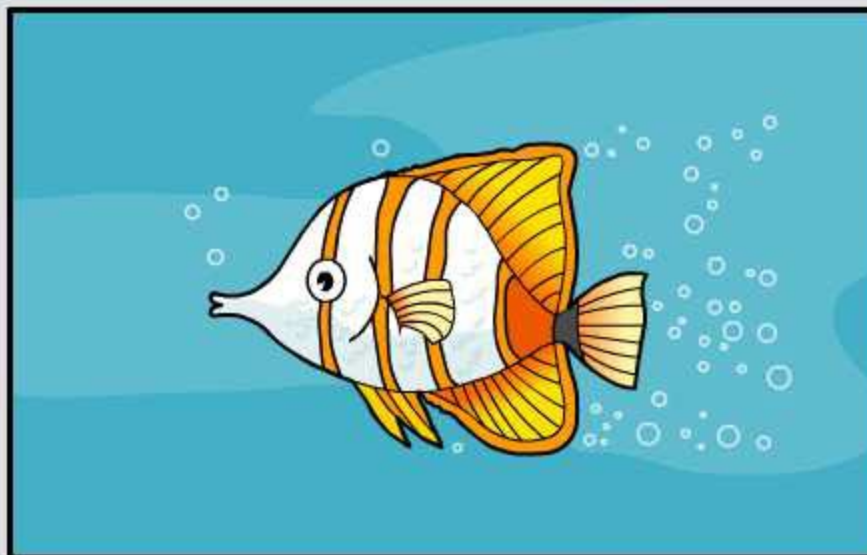


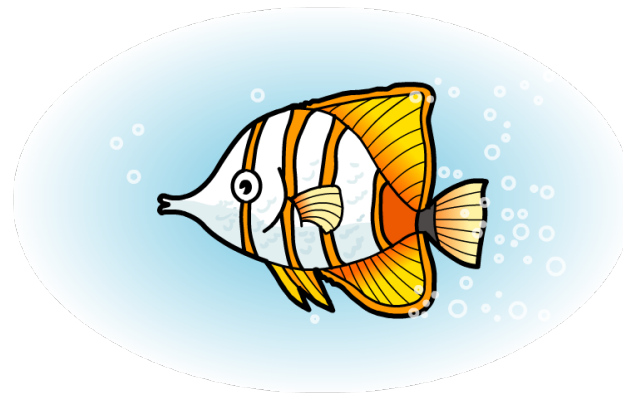
## What is a Mixture?



# What is a mixture?

A mixture contains two or more substances that are mixed together, but have not chemically bonded with each other.

For example, seawater is a mixture of water, salt and other substances.



A pure substance contains just one substance on its own. For example, table salt (sodium chloride) is a pure substance.

Can you name some different mixtures, and pure substances, that you might find in your house?



# What are the properties of a mixture?

- The substances in a mixture are not chemically bonded together. This means that it is usually quite easy to separate the substances (e.g. to get salt from seawater).
- The proportions in a mixture are not fixed (for example there might be lots of salt in seawater, or very little).
- The properties of a mixture are often an 'average' of the properties of the substances it is made from (e.g. a mixture of a red liquid and a blue liquid is a purple liquid).



## Which of these substances is not like the others?

Lots of pure substances and mixtures look alike, but there are many important differences between these two types of substance.

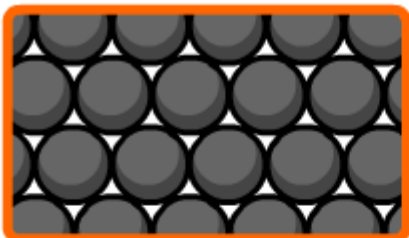
Click "**start**" to see if you can figure out which of these things is not like the others.

**start**

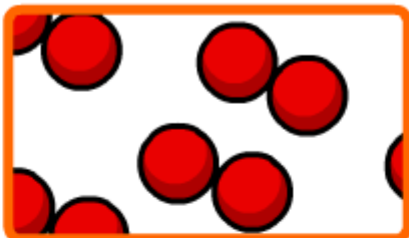


# A mixture or a pure substance?

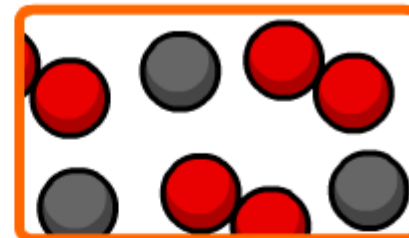
What type of substance does each picture show?



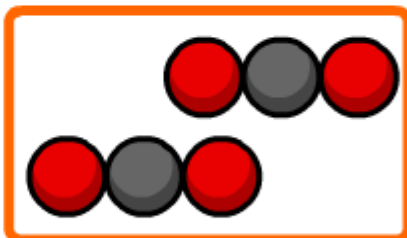
1



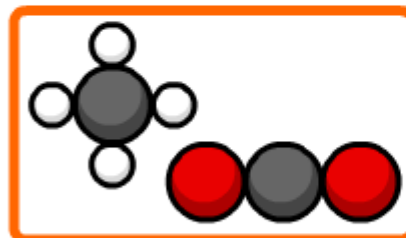
2



3



4



5

mixture



solve

