

# Pure and Impure Substances

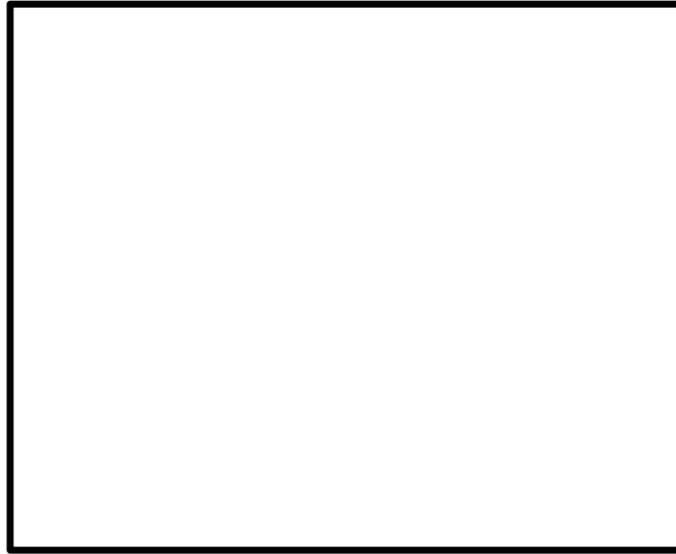
Chemistry - Key Stage 3

Particles - Lesson 8

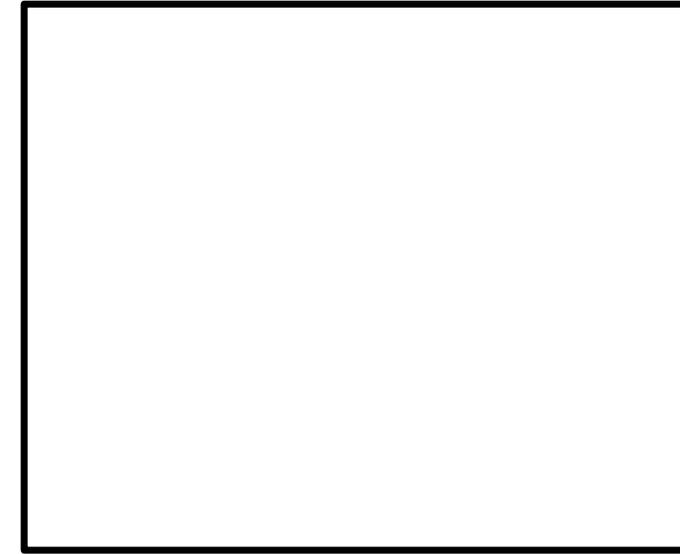
Miss Mason



# Copy and complete the diagrams and sentences



**Pure**



**Impure**

A pure substance is made up of...  
The melting/boiling point of a pure substance is...

An impure substance is made up of...  
The melting/boiling point of an impure substance is...



# Copy and complete

Mixtures are combinations of substances that share no c\_\_\_\_\_ b\_\_\_\_\_.

The 2 ways in which mixtures can be created are...

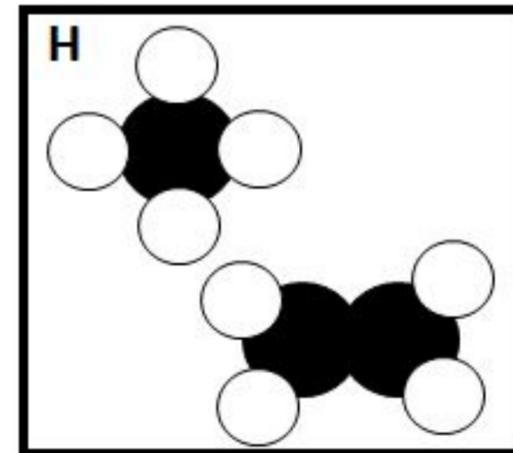
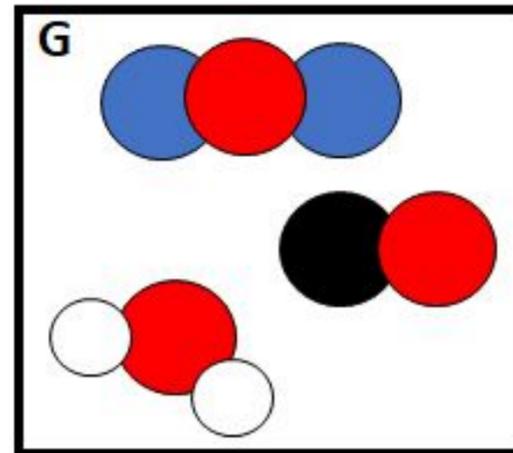
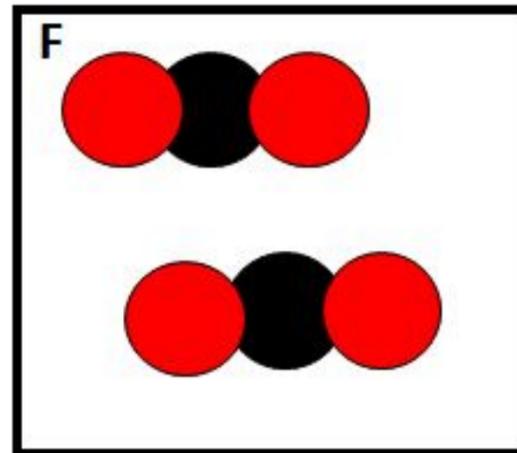
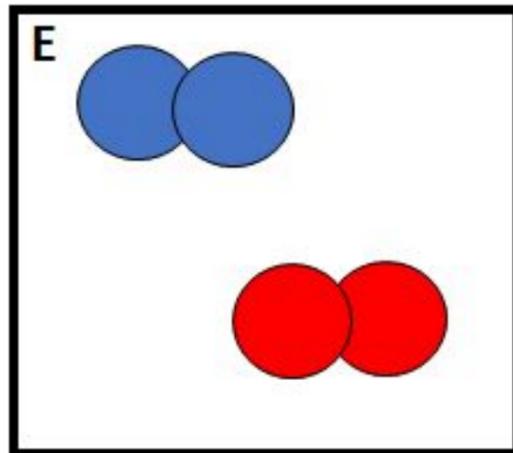
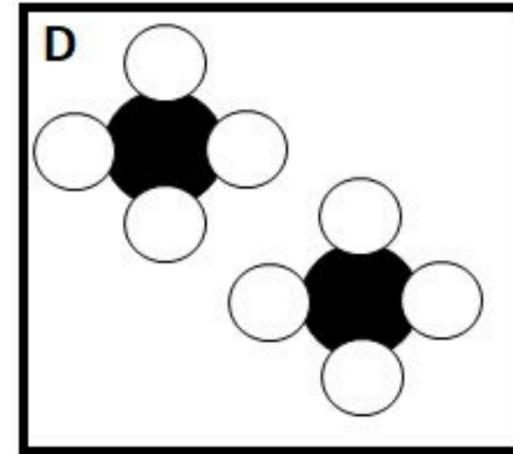
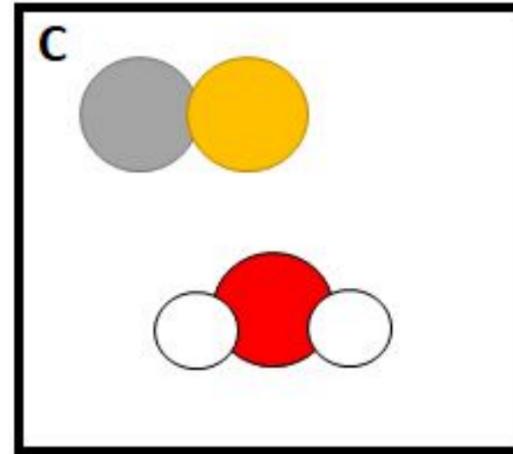
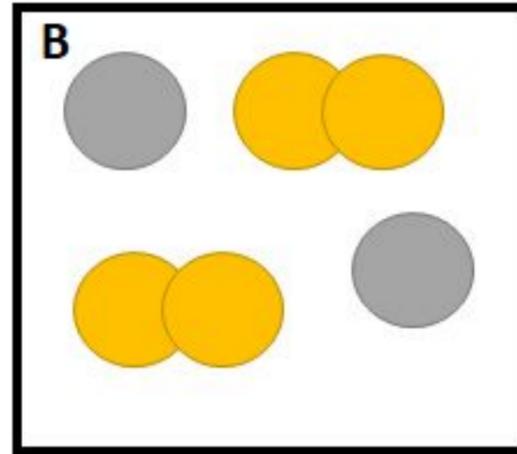
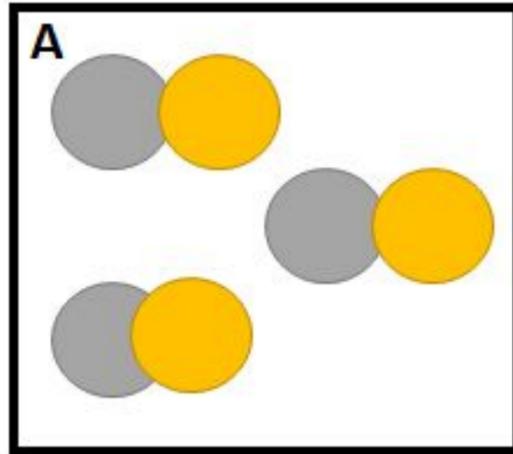
An example of an impure substance is...  
It is impure because...

An example of a pure substance is...

It is pure because...



# Pure substance or mixture?



**A student has 2 unknown substances - one that boils at exactly 100°C and another that boils somewhere between 95 and 105°C. She wants to know which substance is pure and which is impure. Use your knowledge of pure/impure substances to advise her and describe what pure/impure substances are.**

A pure substance is...

An impure substance is...

The substance that boils at 100°C is likely to be a...

This is because...

The substance that boils between 95 and 105°C is likely to be an...

This is because...

