

Compounds, mixtures and elements

This task is about grouping substances as compounds, mixtures or elements.

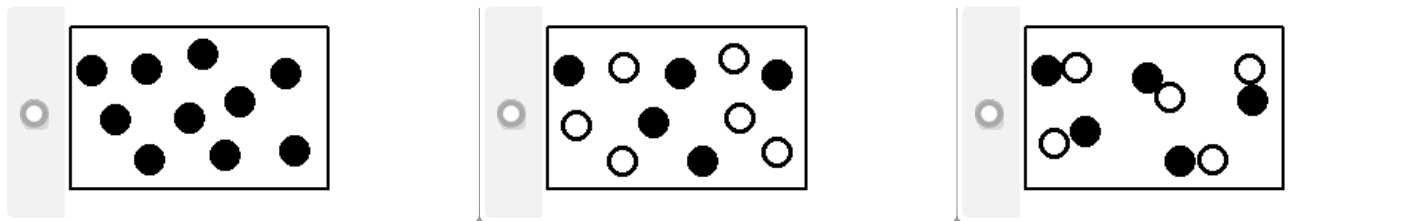
A **compound** is a substance that contains atoms of two or more elements joined together and cannot be easily separated.

A **mixture** is a substance composed of two or more forms of matter that can be easily separated.

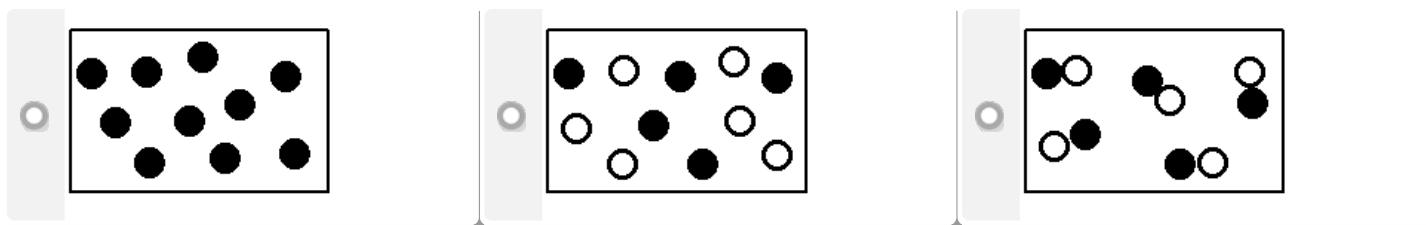
An **element** is a pure substance composed of one type of atom.

a) The diagrams represent different types of atoms.

i) Which diagram shows a mixture?



ii) Which diagram shows a compound?



b) Here are twelve substances. Six are compounds, four are mixtures and two are elements.

Group the substances into the correct boxes.

carbon dioxide

sugar

rust

water

milk

sand

oxygen

air

copper oxide

salt

sea water

iron

Compounds

Mixtures

Elements