

Compounds, mixtures and elements

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

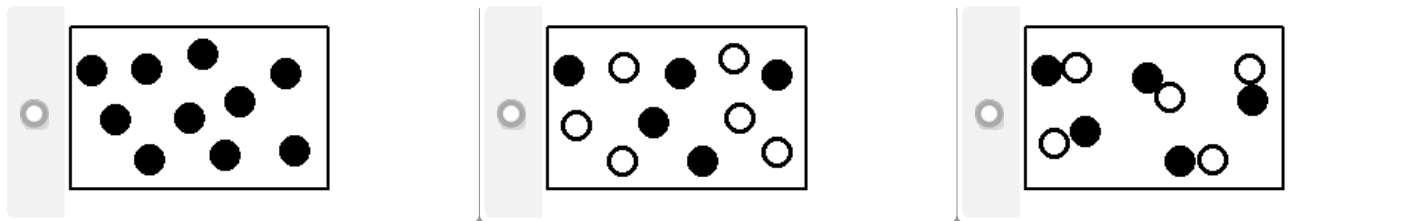
A **compound** is a substance that contains atoms of two or more elements joined together and cannot be easily separated.

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

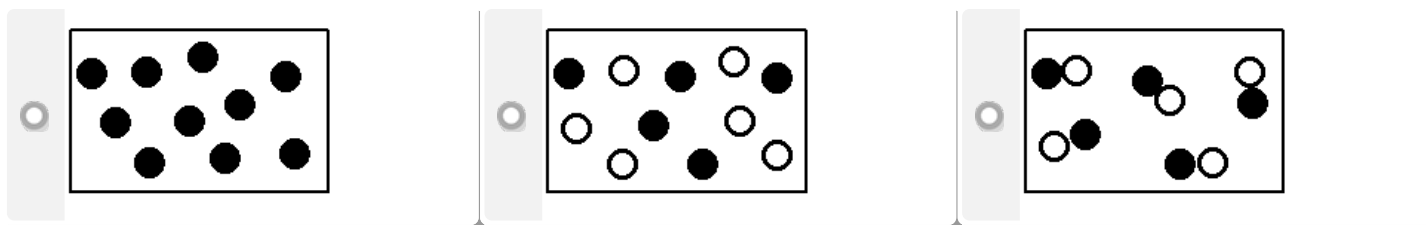
An **element** is a pure substance composed of one type of atom.

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.

water milk sea water oxygen iron rust sugar carbon dioxide air sand

copper oxide salt

Compounds	Mixtures	Elements