

# Compounds, mixtures and elements

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

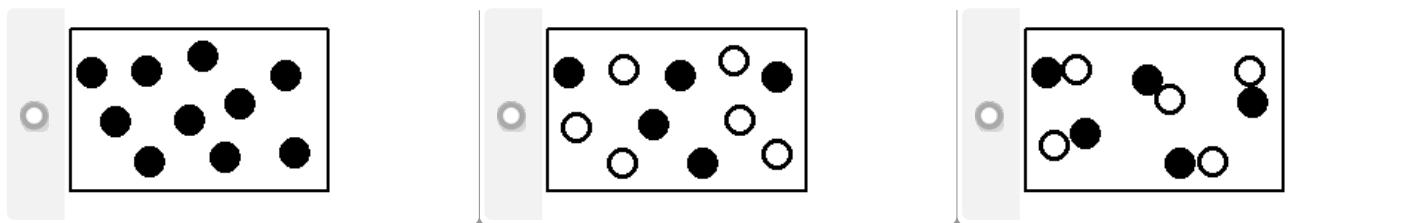
A **compound** is a substance that contains atoms of two or more elements joined together and cannot be easily separated.

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

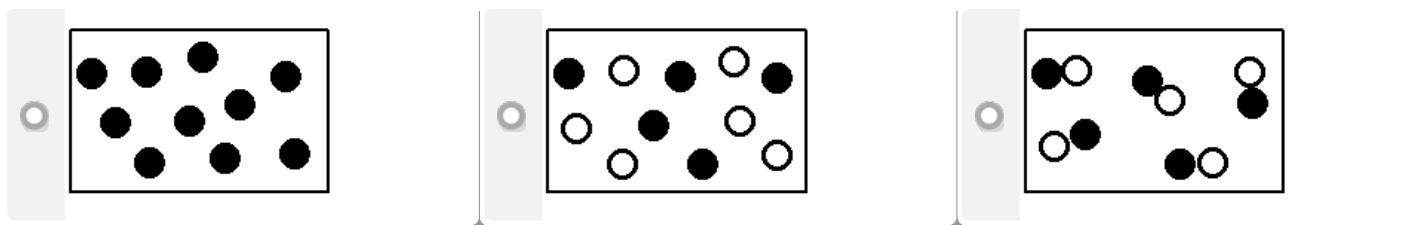
An **element** is a pure substance composed of one type of atom.

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.

- salt   rust   iron   water   sand   copper oxide   oxygen   sea water   air
- carbon dioxide   milk   sugar

Compounds	Mixtures	Elements