

Melting and boiling points

This task is about melting and boiling points of substances.

Use this table to answer the questions below.

Substance	Melting Point °C	Boiling Point °C
Aluminium	660	1800
Iron	1535	2750
Nitrogen	- 210	- 196
Oxygen	- 218	- 183
Sodium chloride	804	1413
Water	0	100

- a) What is the melting point of iron? _____ °C
- b) At what temperature does water turn from a liquid to a gas? _____ °C
- c) At 680°C, is sodium chloride a solid, liquid, or gas? _____
- d) Which substance remains liquid over the greatest temperature range? _____
- e) Name the substances which are liquid at 1000°C.
- _____
- f) If a mixture of oxygen and nitrogen was cooled, which one would freeze first? _____
- g) At what temperature does aluminium freeze? _____ °C
- h) If the six substances above were at room temperature how many would be in a:
- solid state? _____
- liquid state? _____
- gas state? _____