

Dalkeith High School
Gases and their reactions
Homework 2

1. In air what gas is most common?

What percentage of air is it? (2)

What is the next most common gas in air?

What percentage is it? (2)

2. Name 2 trace gases in air. (2)

3. The following table has some information about some common chemicals:-

Chemical	Melting Point / °C	Boiling Point / °C
Fluorine	-220	-118
Chlorine	-101	-35
Bromine	-7	59
Iodine	114	184

When chlorine is cooled from room temperature (25°C) at what temperature does it freeze? (1)

What state is bromine in at room temperature? (1)

At 100°C, what state is iodine? (1)

If a mixture of fluorine and chlorine is cooled from room temperature, which one would become a liquid first? (1)