

1 A list of substances is shown.

<b>bauxite</b>	<b>calcium oxide</b>	<b>ethanol</b>	<b>graphite</b>	<b>methane</b>
<b>nitrogen</b>	<b>oxygen</b>	<b>propane</b>	<b>propene</b>	<b>sulfur dioxide</b>

Answer the questions using the list of substances.

Each substance may be used once, more than once, or not at all.

State which of the substances:

(a) is a basic oxide

..... [1]

(b) contains carbon atoms only

..... [1]

(c) is manufactured by fermentation

..... [1]

(d) is produced by the decomposition of vegetation

..... [1]

(e) contains aluminium oxide

..... [1]

(f) causes acid rain

..... [1]

(g) is a simple molecule with 11 atoms

..... [1]

(h) is produced when limestone thermally decomposes in the blast furnace

..... [1]

(i) is a gas that is approximately 21% of clean, dry air

..... [1]

(j) is a monomer in addition polymerisation.

..... [1]

[Total: 10]