

Name:

Class:



Identify two salts that could be reacted together to form lead carbonate.

1. Lead nitrate
2. Sodium carbonate.

Accept any correct combination.

Describe a test to show that a gas is carbon dioxide.

Test: bubble the gas through limewater.

Positive result: if the gas is carbon dioxide the limewater will turn cloudy.

When iron oxide is heated with carbon, the products are iron and carbon dioxide. Complete the word equation for this reaction.



What has been reduced and what has been oxidised in this reaction?

Reduced: **iron oxide**

Oxidised: **carbon monoxide**

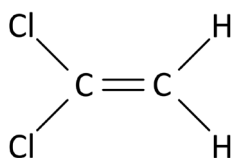
Sodium is in what group of the periodic table?

Group 1

Give the formula of a **hydrogencarbonate ion**.



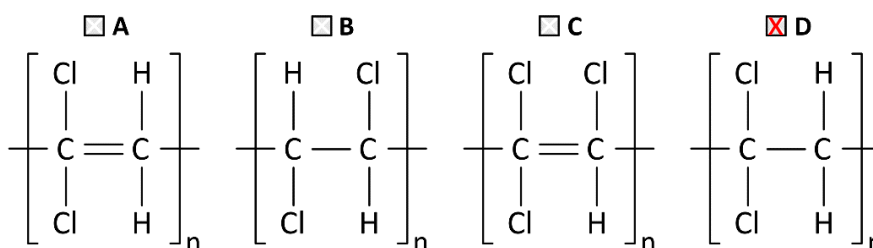
The figure below shows the structure of a molecule of dichloroethene.



i. State the type of bonding present in dichloroethene.

Covalent (bonding)

ii. Which of these represents the structure of the polymer formed from the monomer in the figure above? Tick the correct box.



A nitrogen atom is represented in the periodic table by the symbol.

Describe this atom in terms of the position of the electrons, neutrons and protons.

A description to include:

- The protons and neutrons are in the nucleus (at the centre of the atom).
- There are 7 protons and 8 neutrons.
- There are 7 electrons in shells / orbitals / energy levels around the nucleus.