

Polymers

Q1. (2022)

0 3 . 6 What holds the atoms together in a polymer chain?

[1 mark]

Tick (✓) **one** box.

Covalent bonds

☐

Ionic bonds

☐

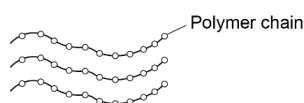
Metallic bonds

☐

Q2. (2022)

Figure 8 represents part of the structure of a polymer.

Figure 8



0 3 . 7 Complete the sentence.

Choose the answer from the box.

[1 mark]

atomic	intermolecular	macromolecular
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In Figure 8 the polymer chains are held together by _____ forces.

Q3. (2023)

0 3 . 6 Polymers have very large molecules.

Figure 9 represents part of the structure of a polymer.

Figure 9



What holds polymer molecule 1 and polymer molecule 2 together in a polymer?

[1 mark]

Tick (✓) **one** box.

Covalent bonds

☐

Electrostatic attraction between ions

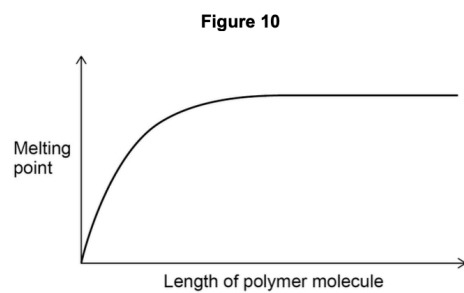
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Weak intermolecular forces

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Q4. (2023)

0 3 . 7 **Figure 10** shows the melting point of a polymer as the length of the polymer molecule increases.



Describe the trend shown in **Figure 10**.

[3 marks]