

12. (a) Explain the chain structure of the polymers in a thermoset.
 State **two** properties of a thermoset that are caused by the chain structure of the polymer.
Terangkan struktur rantai polimer dalam suatu termoset.
*Nyatakan **dua** sifat termoset yang disebabkan oleh struktur rantai polimer tersebut.*

[4 marks]

[4 markah]

- (b) Diagram 12 shows four types of objects made of thermoplastic.
Rajah 12 menunjukkan empat jenis objek yang diperbuat daripada termoplastik.

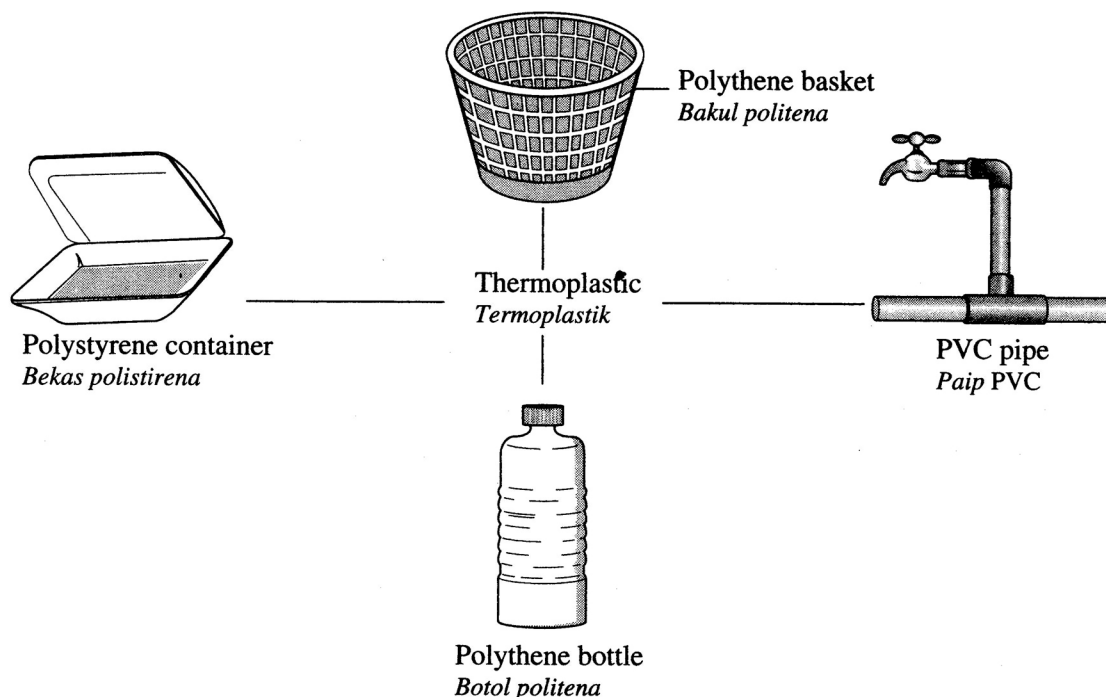


Diagram 12
 Rajah 12

Study the objects in Diagram 12 and construct the concept of thermoplastic.
Kaji objek-objek dalam Rajah 12 dan bina konsep termoplastik.

Your answer should be based on the following aspects:
Jawapan anda hendaklah berdasarkan aspek-aspek berikut:

- Identify **two** common characteristics
*Kenal pasti **dua** ciri sepunya* [2 marks] [2 markah]
- Give **one** other example of thermoplastic
*Beri **satu** contoh lain bagi termoplastik* [1 mark] [1 markah]
- Give **two** examples of non-thermoplastic
*Beri **dua** contoh bukan termoplastik* [2 marks] [2 markah]
- Relate the common characteristics to construct the concept of thermoplastic
Hubungkan ciri sepunya untuk membina konsep termoplastik [1 mark] [1 markah]