

- 3 (a) With reference to the arrangement of atoms, distinguish between metals, polymers and amorphous solids.

For  
Examiner's  
Use

metals: .....

.....

polymers: .....

.....

amorphous solids: .....

.....

[3]

- (b) On Fig. 3.1, sketch the variation with extension  $x$  of force  $F$  to distinguish between a metal and a polymer.

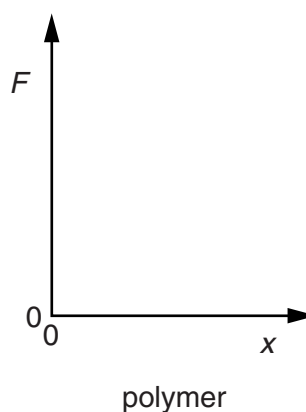
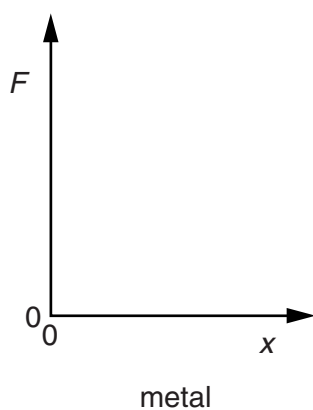


Fig. 3.1

[2]