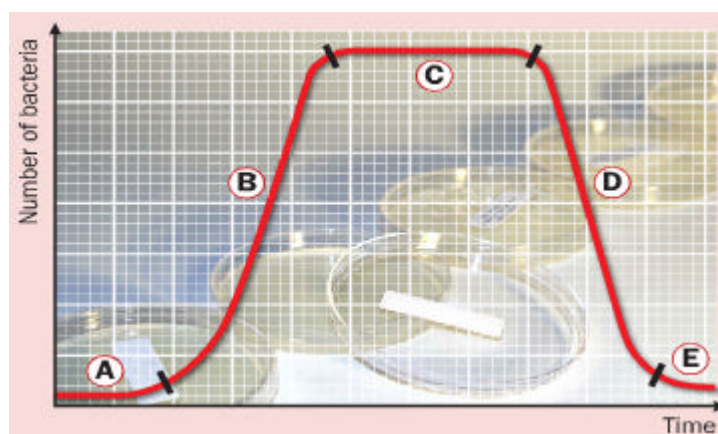


Q.1

- (i) Name the kingdom to which bacteria belong.
- (ii) Draw a large diagram of a bacterial cell to show:
- The relative positions of the cell wall, cell membrane and capsule.
 - A plasmid.
- Label **each** of the above structures.
- (iii) 1. Under what circumstances does a bacterial cell form an endospore?
2. Describe briefly how an endospore forms.
- (iv) Name **two** types of heterotrophic nutrition used by bacteria.

Q.2

- (i) Name the kingdom to which bacteria belong.
- (ii) Give **one** example of the economic importance of bacteria.
- (iii) Bacteria may be classified by their shape.
Name any **two** bacterial shapes.
- (iv) Name the method by which bacteria reproduce.
- (v) What are *pathogenic* bacteria?
- (vi) State **two** factors affecting the growth of bacteria.

Q.3

- (a) Name the phases labelled A to E.
- (b) State what is happening to the number of bacteria at each phase.