



**Diagnostic Test****2.9**

- 1 The monomer of natural rubber is
  - A glucose.
  - B isoprene.
  - C amino acid.
  - D ethanol.
- 2 Fresh latex will coagulate if left overnight. This is because
  - A the latex produces lactic acid.
  - B the latex is oxidised by oxygen in the air.
  - C the bacteria in the air react on the protein membranes of the particles of latex to produce lactic acid.
  - D the bacteria in the air react on the protein membranes of the particles of latex to produce an alkaline solution.
- 3 Latex can be prevented from coagulating by adding
  - A formic acid.
  - B ammonia solution.
  - C dilute nitric acid.
  - D ammonium nitrate solution.
- 4 Vulcanised rubber is more elastic than unvulcanised rubber because
  - A there are strong electrostatic forces between the rubber polymers