

**21** At room temperature, the density of liquid mercury is five times greater than the density of solid aluminium.

What is the reason for this?

- A** Aluminium atoms are spaced widely apart.
- B** Aluminium atoms move more freely than mercury atoms.
- C** Atoms in a liquid take up less space than atoms in a solid.
- D** Mercury atoms have greater mass than aluminium atoms.

**22** When white sugar granules are heated, they melt. When the melt is cooled quickly, a brittle solid