

20 Which method is used to prepare a pure, dry sample of lead(II) chloride?

- A** mix aqueous lead(II) nitrate and dilute hydrochloric acid → filter → crystallise and dry the filtrate
- B** mix aqueous lead(II) nitrate and dilute hydrochloric acid → filter → wash and dry the residue
- C** mix solid lead(II) hydroxide and aqueous sodium chloride → filter → crystallise and dry the filtrate
- D** mix solid lead(II) hydroxide and aqueous sodium chloride → filter → wash and dry the residue

11 Which statement describes a saturated solution?

- A** It is a solution that contains the maximum concentration of solute.
- B** It is a solution that contains the maximum amount of solvent.
- C** It is a hydrocarbon that contains both double and single bonds.
- D** It is a hydrocarbon that contains only single bonds.

19 Lead(II) sulfate is an insoluble salt.

Which process is **not** used to prepare a pure sample of this salt?

- A** crystallisation
- B** drying
- C** filtration
- D** precipitation