

AQA – Introduction to organic chemistry – AS Chemistry P2

1. No.10

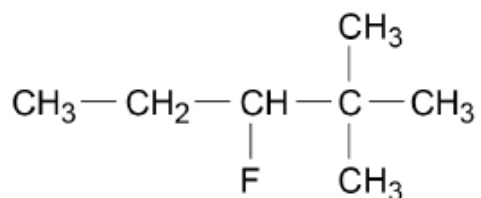
Which statement is **not** correct about ozone?

[1 mark]

A It absorbs harmful ultraviolet radiation in the upper atmosphere.☐**B** It decomposes to form oxygen.☐**C** Its decomposition is catalysed by chlorine molecules.☐**D** Ozone holes are regions of the upper atmosphere where there is a reduced concentration of ozone.☐

2. No.11

What is the IUPAC name for this compound?



[1 mark]

A 2-dimethyl-3-fluoropentane☐**B** 2,2-dimethyl-3-fluoropentane☐**C** 3-fluoro-2,2-dimethylpentane☐**D** 3-fluoro-2-dimethylpentane☐

3. No.12

What is the IUPAC name of the major product of the reaction between 2-ethylbut-1-ene and hydrogen bromide?

[1 mark]

A 1-bromo-2-ethylbutane

☐

B 2-bromo-2-ethylbutane

☐

C 2-bromo-2-methylpentane

☐

D 3-bromo-3-methylpentane

☐

4. No.15

In which reaction does the inorganic reagent act initially as an electrophile?

[1 mark]

A bromoethane with ethanolic potassium hydroxide

☐

B chloroethane with aqueous sodium hydroxide

☐

C ethane with chlorine

☐

D ethene with concentrated sulfuric acid

☐