

QUESTION 10 (20 MARKS)
Answer questions 10-14 in the spaces provided.

10.1 Write the general formulae for the following compounds:

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|---------|--------|---------|---------|---------|--------|
| 10.1.1 | ethane | 10.1.2 | butane | 10.1.3 | ethene |
| 10.1.4 | ethyne | 10.1.5 | propyne | 10.1.6 | ethyne |
| 10.1.7 | ethane | 10.1.8 | butane | 10.1.9 | ethene |
| 10.1.10 | ethyne | 10.1.11 | propyne | 10.1.12 | ethyne |
| 10.1.13 | ethane | 10.1.14 | butane | 10.1.15 | ethene |

10.2 Write the structural formula for a saturated hydrocarbon having 100 carbon atoms in the molecule.

10.2.1 Draw the structural formula of ethane.

10.2.2 Draw the structural formula of ethene.

10.2.3 Draw the structural formula of ethyne.

10.2.4 Draw the structural formula of propane.

10.2.5 Draw the structural formula of propene.

10.2.6 Draw the structural formula of propyne.

10.2.7 Draw the structural formula of butane.

10.2.8 Draw the structural formula of butene.

10.2.9 Draw the structural formula of butyne.

10.2.10 Draw the structural formula of pentane.

10.3 Draw the structural formula of ethanol.

10.3.1 Draw the structural formula of ethane.

10.3.2 Draw the structural formula of ethene.

10.3.3 Draw the structural formula of ethyne.

10.3.4 Draw the structural formula of propane.