

MINISTRY OF EDUCATION
SECONDARY ENGAGEMENT PROGRAMME
GRADE 11
CHEMISTRY

Week 1 - Worksheet 1

Circle the correct answer.

1. Organic Chemistry is the study of:
 - a) Carbon-containing compounds
 - b) Metals containing carbon
 - c) Plants because they contain some amount of carbon
 - d) Water containing compounds

2. A Carbon atom has ___ valence electrons.
 - a) 2
 - b) 4
 - c) 5
 - d) 6

3. Hydrocarbons contain only_____ atoms.
 - a) Hydrogen and Oxygen
 - b) Carbon and Nitrogen
 - c) Carbon and Hydrogen
 - d) Hydrogen and Sulphur

4. Hydrocarbon compounds are found naturally in:
 - I. Natural Gas
 - II. Petroleum
 - III. Water
 - a) I only
 - b) I and II only
 - c) I and III only
 - d) I, II and III

5. One of the major uses of hydrocarbon compounds such as Natural Gas and Petroleum is as
- a) Food
 - b) Medicine
 - c) Fuel
 - d) Material for building houses

State whether the following statements are TRUE or FALSE.

1. Petroleum and Natural Gas are found underground. _____
2. The components of petroleum are separated by sedimentation and filtration.

3. Hydrocarbons can be used as jet fuel, and to pave roads. _____
4. Cracking is the process by which long-chain hydrocarbon molecules are broken down into shorter chain hydrocarbon molecules. _____
5. Thermal cracking uses a catalyst. _____

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State whether the following statements are TRUE or FALSE.

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