

# Organic Chemistry

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Answer the questions by choosing the correct option!

- How many hydrogen atoms are in 3 propane molecules ( $C_3H_8$ )?
  - 16
  - 18
  - 24
  - 8
- A single octane molecule ( $C_8H_{18}$ ) has 8 carbon atoms. How many carbon atoms are in 7 molecules of octane?
  - 48
  - 54
  - 56
  - 64
- Each molecule of methanol ( $CH_3OH$ ) has 4 hydrogen atoms. How many hydrogen atoms are in 9 molecules of methanol?
  - 24
  - 36
  - 40
  - 44
- When ethylene glycol is treated with phosphorus tri-iodide, what compound is yielded?
  - Ethylene di-iodide
  - Ethylene
  - Ethane
  - Ethyl iodide
- Hydrocarbons are organic compounds with which two elements?
  - Both hydrogen and carbon
  - Carbon
  - Hydrogen
  - Oxygen
- If 5 molecules of ethane ( $C_2H_6$ ) each have 2 carbon atoms, how many carbon atoms are there?
  - 5
  - 7
  - 10
  - 12
- Which of the following is the simplest member of organic compounds?
  - Formic acid
  - Formaldehyde
  - Methane
  - Methanol
- Which type of bond is made up of a large number of organic compounds?
  - Metallic bond
  - Dipolar bond
  - Ionic bond
  - Covalent bond