1. What did Wöhler's 1828 experiment show?

   ☐ Urea cannot be made in a lab

   ☐ All compounds need a vital force

   ☐ An organic compound can be made from a non-living source

   ☐ Carbon is a metal

2. The 1892 Geneva congress agreed rules for naming organic compounds.

   ☐ True ☐ False

3. A hydrocarbon is a compound of:

   ☐ hydrogen and carbon only

   ☐ carbon and nitrogen

   ☐ metals

   ☐ hydrogen and oxygen

4. Alkanes are described as saturated because they have:

   ☐ no carbon atoms at all

   ☐ only single carbon-carbon bonds

   ☐ at least one carbon-carbon double bond

   ☐ a carbon-carbon triple bond

5. Alkenes contain a:

   ☐ metal ion

   ☐ carbon-carbon double bond

   ☐ nitrogen atom

   ☐ only single bonds

6. What did Brazil ferment to make ethanol fuel?

   ☐ Sugar cane

   ☐ Crude oil

   ☐ Natural gas

   ☐ Coal

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8. Most addition polymers are non-biodegradable.

   ☐ True ☐ False

9. Boiling point rises down a homologous series.

   ☐ True ☐ False

10. How many hydrogen atoms are in propene, $C_3H_$?

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1. **An organic compound can be made from a non-living source**

   He made urea from ammonium cyanate.

2. **True**

   Today's IUPAC names grew from them.

3. **hydrogen and carbon only**

   Hydrocarbons contain only hydrogen and carbon.

4. **only single carbon-carbon bonds**

   Saturated = all single bonds.

5. **carbon-carbon double bond**

   The C=C double bond defines alkenes.

6. **Sugar cane**

   The Proálcool programme.

7. **COOH**

   It is the carboxyl group.

8. **True**

   They do not rot, so they build up as waste.

9. **True**

   Larger molecules.

10. **6**

    Alkenes are C_nH_{2n}.

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