



Name _____ Class _____ Date _____

1 Which formula represents a **saturated hydrocarbon**?

- A C_2H_2
- B C_2H_4
- C C_3H_4
- D C_3H_8

2 In an **electrolytic cell**, the **positive electrode** is the

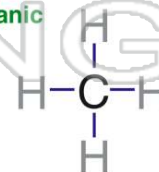
- A anode, where oxidation occurs
- B anode, where reduction occurs
- C cathode, where oxidation occurs
- D cathode, where reduction occurs

3 If a compound contains only **one -OH** functional group **attached** to the end carbon in the chain, it is classified as a

- A primary alcohol
- B secondary alcohol
- C tertiary alcohol

4 A characteristic of most **organic compounds** is that they

- A have low melting points
- B have high melting points
- C are soluble in water
- D conduct electricity when dissolved in



PREVIEW

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points
C smaller molecules with lower boiling points
D smaller molecules with higher boiling points

- B boron and cadmium
- C steel and concrete
- D beryllium and heavy water

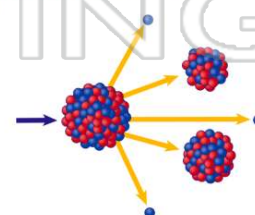
9 Which **radioactive isotope** is used for the **diagnosis** of thyroid disease?

- A iodine -131
- B potassium -42
- C carbon -14
- D cobalt -60



10 Which components of a fission reactor are used to **slow neutrons** during a fission reaction?

- A control rods
- B coolants
- C shields
- D moderators





ANSWER KEY

Which formula represents a **saturated hydrocarbon**?

- A C_2H_2
- B C_2H_4
- C C_3H_4
- D C_3H_8

(d)

In an **electrolytic cell**, the **positive electrode** is the

- A anode, where oxidation occurs
- B anode, where reduction occurs
- C cathode, where oxidation occurs
- D cathode, where reduction occurs

(a)

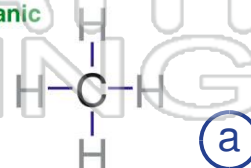
If a compound contains only **one -OH** functional group **attached** to the end carbon in the chain, it is classified as a

- A primary alcohol
- B secondary alcohol
- C tertiary alcohol
- D dihydroxy alcohol

(a)

A characteristic of most **organic compounds** is that they

- A have low melting points
- B have high melting points
- C are soluble in water
- D conduct electricity when dissolved in water



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- C smaller molecules with lower boiling points
- D smaller molecules with higher boiling points

- D beryllium and heavy water

Which **radioactive isotope** is used for the **diagnosis** of thyroid disease?

- A iodine -131
- B potassium -42
- C carbon -14
- D cobalt -60



(a)

Which components of a fission reactor are used to **slow neutrons** during a fission reaction?

- A control rods
- B coolants
- C shields
- D moderators

