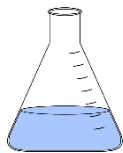


CLIL Chemistry Quiz - ANSWERS

Section 1: Matching

Match the chemical symbols with their corresponding element names.

(*Safety Goggles, Funnel, Bunsen Burner, Beaker, Erlenmeyer Flask*)



erlenmeyer flask



safety goggles



beaker



bunsen burner



funnel

Section 2: Fill in the Blanks

Fill in the blanks with the appropriate words.

atomic – chemical – nucleus – atom - electrolysis

The smallest unit of an element that retains its chemical properties is called an _____ atom _____.

The center of an atom, which contains protons and neutrons, is called the _____ nucleus _____.

The number of protons in an atom determines its _____ atomic _____ number.

The symbols and numbers used to represent a chemical compound are called its _____ chemical _____ formula.

The process of breaking down a compound into simpler substances by heating or using electricity is called _____ electrolysis _____.

Section 3: True or False

Determine whether the following statements are true or false. Write "T" for true and "F" for false.

The number of electrons in an atom is equal to its atomic number. **T**

A covalent bond is formed when two atoms share electrons. **T**

A homogeneous mixture is a mixture that has a variable composition throughout. **F**

A chemical change is reversible by physical means. **F**

A catalyst increases the rate of a chemical reaction by being consumed in the reaction. **F**

Section 4: Multiple Choice

Choose the best answer for each question.

1- What is the name of the type of compound that is formed when a metal and a non-metal react together?

- A) Ionic compound
- B) Covalent compound
- C) Metallic compound
- D) Molecular compound

Answer: A) Ionic compound

2- What is the name of the type of bond that is formed when two atoms have a large difference in electronegativity and one atom attracts the shared electrons more strongly than the other?

- A) Polar covalent bond
- B) Non-polar covalent bond
- C) Ionic bond
- D) Metallic bond

Answer: A) Polar covalent bond

3- What is the name of the type of mixture that has particles that are large enough to scatter light but too small to settle out or be filtered?

- A) Suspension
- B) Colloid
- C) Emulsion
- D) Alloy

Answer: B) Colloid

4- What is the name of the type of substance that tastes sour and turns blue litmus paper red?

- A) Acid
- B) Base
- C) Salt
- D) Sugar

Answer: A) Acid

5- What is the name of the process that changes a solid directly into a gas without going through the liquid state?

A) Sublimation

B) Condensation

C) Evaporation

D) Deposition

Answer: A) Sublimation