

AP Chemistry Flashcards PDF

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What is the molecular formula for glucose?

C₆H₁₂O₆

What is the pH of a neutral solution at 25 degrees Celsius?

7

What is the primary gas produced during photosynthesis?

Oxygen (O₂)

What is the ideal gas law equation?

$PV = nRT$

What is the difference between an ionic bond and a covalent bond?

An ionic bond involves the transfer of electrons, while a covalent bond involves the sharing of electrons.

What is the molarity of a solution that contains 1 mole of solute in 2 liters of solution?

0.5 M

What is the name of the process by which a solid changes directly into a gas?

Sublimation

What is the main component of natural gas?

Methane (CH₄)

What is the law of conservation of mass?

Mass is neither created nor destroyed in a chemical reaction.

What is the term for the amount of energy required to raise the temperature of 1 gram of water by 1 degree Celsius?

Calorie