

# AP Practice Test Questions and Answers

## 1. What is enthalpy ( $\Delta H$ )?

- A) The total energy of the system.
- B) The heat content of a system.
- C) The change in pressure.
- D) The energy released during a chemical reaction.

## 2. What is the octet rule?

- A) Atoms tend to form bonds to increase their atomic number.
- B) Atoms tend to have 8 electrons in their valence shell.
- C) Atoms tend to gain only electrons.
- D) Atoms can have more than 8 electrons in their valence shell.

## 3. What is activation energy?

- A) The energy required to break bonds.
- B) The minimum energy required for a reaction to occur.
- C) The energy required to form products.
- D) The energy released during the reaction.

## 4. What is cognitive learning?

- A) Learning through observing others.
- B) Learning through association between stimuli.
- C) Learning through mental processes such as memory
- D) Learning by receiving reinforcement.

Answers: 1-B 2-B 3-B 4-C

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