

RPAL Practice Test Questions and Answers

1. What is percent yield?

- A) The ratio of actual yield to theoretical yield expressed as a percentage
- B) The ratio of limiting reagent to excess reagent
- C) The percentage of reactants converted to products at equilibrium
- D) The fraction of product lost during the reaction

2. What is theoretical yield?

- A) The maximum amount of product that can be formed from the limiting reagent
- B) The actual amount of product collected in the lab
- C) The amount of excess reagent that remains
- D) The minimum amount of product that can form

3. What is an excess reagent?

- A) A reactant present in greater amount than needed to react with the limiting reagent
- B) The reactant that is fully consumed in the reaction
- C) Any product formed in a reaction
- D) A catalyst added to speed up the reaction

4. What is the formula for percent yield?

- A) $(\text{Actual yield} \div \text{Theoretical yield}) \times 100\%$
- B) $(\text{Theoretical yield} \div \text{Actual yield}) \times 100\%$
- C) $(\text{Actual yield} - \text{Theoretical yield}) \times 100\%$
- D) $(\text{Theoretical yield} + \text{Actual yield}) \div 2$

Answers: 1-A 2-A 3-A 4-A

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