

Name

Amines and Their Properties Quiz

Total questions: 13

Worksheet time: 7mins

Instructor name: Dr. Ramanathan Saitechinfo

Class

Date

1. What is the primary amine formed from benzene?
 - a) Phenylamine
 - b) Aniline
 - c) Toluene
 - d) Benzylamine
2. Which of the following compounds is a secondary amine?
 - a) Dimethylamine
 - b) Aniline
 - c) Benzylamine
 - d) Ethylamine
3. What is the effect of branching on the boiling point of amines?
 - a) Decreases boiling point
 - b) No effect on boiling point
 - c) Increases volatility
 - d) Increases boiling point
4. Which reagent is used in the Gabriel synthesis?
 - a) Potassium bromide
 - b) Sodium hydroxide
 - c) Phthalimide
 - d) Ammonium chloride
5. What type of reaction do amines typically undergo with alkyl halides?
 - a) Elimination
 - b) Nucleophilic substitution
 - c) Redox reaction
 - d) Electrophilic addition

13. What is the result of the reaction between an amine and an acid?

a) Ester formation

b) Amide formation

c) No reaction

d) Salt formation

Answer Keys

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|-----------------------|--|-------------------------------|
| 1. b) Aniline | 2. a) Dimethylamine | 3. a) Decreases boiling point |
| 4. c) Phthalimide | 5. b) Nucleophilic substitution | 6. c) Tertiary amine |
| 7. a) Primary amine | 8. a) Lower reactivity than aliphatic amines | 9. b) Aniline |
| 10. c) Aniline | 11. c) Decrease basicity | 12. b) Primary amine |
| 13. d) Salt formation | | |

