

1. What is the name of the reaction that occurs when two molecules of HBr react with one molecule of propene?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Bromination

2. What is the name of the reaction that occurs when one molecule of water reacts with one molecule of ethene to form one molecule of ethanol?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Bromination

3. What is the name of the reaction that occurs when one molecule of bromine reacts with one molecule of ethene to form one molecule of ethane?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Bromination

4. What is the name of the reaction that occurs when one molecule of HCl reacts with one molecule of ethene to form one molecule of ethanol?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Chlorination

5. What is the name of the reaction that occurs when one molecule of HBr reacts with one molecule of propene to form one molecule of bromopropane?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Bromination

6. What is the name of the reaction that occurs when one molecule of HCl reacts with one molecule of propene to form one molecule of chloropropane?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Chlorination

7. What is the name of the reaction that occurs when one molecule of H₂SO₄ reacts with one molecule of ethene to form one molecule of ethanol?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Sulfonation

8. What is the name of the reaction that occurs when one molecule of H₂SO₄ reacts with one molecule of propene to form one molecule of propanol?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Sulfonation

9. What is the name of the reaction that occurs when one molecule of HNO_3 reacts with one molecule of ethene to form one molecule of ethane?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Nitration

10. What is the name of the reaction that occurs when one molecule of HNO_3 reacts with one molecule of propene to form one molecule of propane?

- A. Hydrohalogenation
- B. Hydration
- C. Halogenation
- D. Nitration

Answer Key:

- 1. D
- 2. B
- 3. D
- 4. D
- 5. D
- 6. D
- 7. D
- 8. D
- 9. D
- 10. D