

# CHEMISTRY 1

## FINAL EXAM REVIEW

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### Chemistry Review: Writing and Balancing Equations

**Directions:** Solve each problem and answer each question

1. Balance each equation below by adding the correct coefficients



2. Write and balance each equation. Include phase labels

a. Aqueous sodium hydroxide reacts with aqueous sulfuric acid to form aqueous sodium sulfate and water

b. Solid iron (III) hydroxide and aqueous sodium carbonate are formed from the reaction of solid iron (III) carbonate and aqueous sodium hydroxide

c. Solid aluminum reacts with aqueous hydrobromic acid to form aqueous aluminum bromide and hydrogen gas

d. Gaseous ethane (dibarbon hexahydride) reacts with oxygen gas to form gaseous carbon dioxide and gaseous water

e. Solid calcium phosphite reacts with aqueous copper(II) nitrate to form aqueous calcium nitrate and solid copper (II) phosphite

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# 21 CHEMISTRY WORKSHEETS

# WORKED ANSWER KEY

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