

## Study Guide for Exam 6 – Chemical Formulas and Chemical Reactions

### Required Materials:

- Scantron (#882)
- #2 pencil
- Scientific calculator

**Optional Materials:** Any handwritten note sheets.

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### Vocabulary

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- Ionic Bonds
- Covalent Bond

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### Calculations

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1. Percent composition

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### Skills

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2. Electron dot diagram
3. Naming ionic compounds
4. Naming molecular compounds
5. Physical vs. chemical properties
6. Physical vs. chemical changes
7. Given the ions, write the ionic formula
8. Common ionic charges
9. Elements, Mixtures, and Compounds
10. Types of reactions: synthesis, decomposition, single replacement, double replacement
11. Balancing chemical equations

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### Be prepared to answer questions on the following experiments

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12. Experiment: Separation of a Mixture