

# Chemistry Mid-Year Review

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**Review your notes.** Confirm you have a reasonable-level of understanding for each topic listed here. If the mid-year exam is open notes, confirm you have evidence of your participation with each topic listed. For any topics where you either have an inadequate grasp of the concepts – or for which you do not have personal copies of notes and topic artifacts – revisit those topics and make improvements.

- Chemistry 11 Welcome to Chemistry
- Chemistry 12 Nature of Matter
- Chemistry 13 Properties of Matter
- Chemistry 14 The Elements
- Chemistry 15 Using the Periodic Table
- Chemistry 16 Naming Binary Compounds
- Chemistry 17 Naming and Writing Formulas
- Chemistry 18 Scientific Notation and Units
- Chemistry 19 Atoms and Moles
- Chemistry 21 Formulas of Compounds
- Chemistry 22 Evidence for Chemical Reaction
- Chemistry 23 Reactions in Aqueous Solutions
- Chemistry 24 Classifying Reactions
- Chemistry 25 Using Chemical Equations
- Chemistry 26 Limiting Reactants and Percent Yield
- Chemistry 27 Energy Temperature and Heat
- Chemistry 28 Using Energy in the Real World

**Use Diagrams/Models to Convey Science Info**

- Activity 20 Venn Diagrams & Relationship
- Activity 21 Hierarchy and Pyramid
- Activity 22 Process and Cycle
- Activity 23 Matrix and List

**Techniques for the General Classroom and Science**

- Technique 10 How to Read Complex Text
- Technique 11 How to Summarize Information
- Technique 12 The Scientific Method
- Technique 13 21st Century (4Cs)
- Technique 14 Critical Thinking
- Technique 15 Creative Concepts
- Technique 16 Collaboration
- Technique 17 Communication
- Technique 18 Debate in the Classroom
- Technique 19 Personal Reflection
- Technique 20 Lab Measure and Convert
- Technique 21 Devise Experiments
- Technique 22 Data Gathering
- Technique 23 Graphing and Charting Data
- Technique 24 Interpret Results
- Technique 25 Use and Care of Equipment
- Technique 26 Lab Safety
- Technique 27 Lab Procedures

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**(continued)**

- Technique 27 Lab Procedures
- Technique 30 Recognizing Phenomena
- Technique 31 Evaluating Phenomena
- Technique 32 Making Connections
- Technique 70 Overview
- Technique 71 Two/Three-Circle Venn
- Technique 72 Scale/Timeline
- Technique 73 Thought Web
- Technique 74 Cluster
- Technique 75 Fact vs. Opinion
- Technique 76 Pros-Cons
- Technique 77 Five W's
- Technique 78 Flowchart/Cycle
- Technique 79 KWL/KWHL