

Physical Science Mid-Year Review

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.

- ☐ Physical 11 Welcome to Phy-Sci
- ☐ Physical 12 Introduction to Matter
- ☐ Physical 13 States of Matter
- ☐ Physical 14 Atoms
- ☐ Physical 15 The Periodic Table
- ☐ Physical 16 The Structure of Matter
- ☐ Physical 17 Chemical Reactions
- ☐ Physical 18 Solutions
- ☐ Physical 19 Acids, Bases, Salts
- ☐ Physical 21 Nuclear Changes
- ☐ Physical 22 Motion
- ☐ Physical 23 Forces
- ☐ Physical 24 Work and Energy I
- ☐ Physical 25 Work and Energy II
- ☐ Physical 26 Heat and Temperature
- ☐ Physical 27 Waves
- ☐ Physical 28 Student Topic

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Review the list of Techniques and Activities which may have been covered.

Activity Supplements and Assignments

- ☐ Activity 10 Science Math
- ☐ Activity 11 General Science Labs
- ☐ Activity 12 Tech. & Engineering
- ☐ Activity 13 Copy & Summarize
- ☐ Activity 14 Read & Summarize
- ☐ Activity 15 Write a Science Letter
- ☐ Activity 16 Write a Science Report

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

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- ☐ Activity 20 Venn Diagrams
- ☐ Activity 21 Cross-Cutting Concepts
- ☐ Activity 22 Hierarchy and Pyramid
- ☐ Activity 23 Process and Cycle
- ☐ Activity 24 Matrix and List

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- ☐ Technique 26 Lab Safety
- ☐ Technique 27 Lab Procedures
- ☐ 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