

# Physical Science Final Exam REVIEW

NAME: \_\_\_\_\_ CLASS: \_\_\_\_\_

The following Physical Science competencies included in this exam packet:

1. Understand and apply concepts of the scientific method, introductory mathematical modeling, the use of scientific equipment, and scientific reporting in solving basic physics and chemistry problems.
2. Model, apply concepts, and solve problems related to the motion of objects and underlying forces.
3. Demonstrate, apply concepts, and solve problems related to the properties of light and sound waves.
4. Show the relationships between electricity and magnetism, apply those concepts and describe their roles in technology.
5. Make use of thermodynamic principles to show how matter and energy change within a system.
6. Show how the evolution of the atomic model explains the structure of the periodic table, the nature of atoms and make use of the periodic table to examine properties of elements.
7. Demonstrate their understanding of nuclear radiation, atomic energy, and the evolution of the universe.
8. Illustrate, apply concepts, and solve problems related to molecular bonding and chemical reactions.
9. Describe, apply concepts, and solve problems related to acids, bases, and carbon-based chemistry.

# Physical Science Final Review Study Guide

**Michael Hoelscher**



## **Physical Science Final Review Study Guide:**

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