**Physical Science Final Exam Study Guide**

The final exam will be similar to many of the other exams we’ve taken. Sections of multiple choice, matching, or true/false questions will cover most of the content, with some math or short answer to follow. Chapters covered on the exam will include chapters 9-19. There will be a few more questions from Chapter 19, since you have not yet taken a test over that information. Topics covered will include:

States of matter and effects of temperature (state changes, changes in pressure)

Behavior of gases

Types of matter (mixtures, substances, elements, compounds…)

Atomic structure (particles and locations in an atom)

Using the periodic table

Types of chemical bonds

Formulas and names of chemical compounds

Element groups and properties

Basic organic compounds

Solution properties

Types of chemical reactions and balancing

Acids and bases (properties, strength, concentration, pH, neutralization)

Wave properties

The nature of sound and sound properties (Doppler Effect, loudness, etc.)

Electromagnetic spectrum

Light and color

Properties of light