Earth Science Review Sheet #2

Physical Science Chapter 2 pages 43-51.
- Physical and Chemical Properties
  - [Link to video]
- Physical Changes
  - [Link to video]

Physical Science Chapter 11 pages 287-290.

**Elements:** A substance made up by one kind of atom.
- **Atom:** The smallest particle an element can be divided into and still be the same substance.
- **Electron:** The negatively charged particles in all atoms.
- **Proton:** Small positively charged particles in a nucleus.
- **Neutron:** Particles of the nucleus that have no charge.
- **Nucleus:** Small extremely dense positively charged region of the atom.
- **Electron Cloud:** Area inside the atom where electrons are likely to be found.
- **Atomic Number:** The number of protons in the nucleus of an atom. And electrons.
- **Atomic Mass Unit:** The mass of the particles in the atom.
- **Atomic Mass:** The average of the weight of the masses of naturally occurring isotopes of an element.
- **Mass Number:** Sum of protons and neutrons in an atom.
- **Isotope:** Atoms that have the same number of protons but different amounts of neutrons.

[Khain Academy Link]
[Introduction to the Atom]

Physical Science Chapter 12 pages 202-317.

**Periodic Table Song**

**Periodic Law:** The chemical and physical properties of elements are periodic functions of their atomic numbers.
- **Period:** Horizontal rows in the periodic table.
- **Group:** Vertical rows in the periodic table.
- **Valence Electron & Lewis (Electron) Dot Structures:** The electrons in the outermost energy level of an atom.
- **Periodic Table to identify if a metal, nonmetal, or metalloid**
- **Know the major characteristics of the groups of the periodic table**
- **Alkali Metal:** First group in the periodic table