

6th Science:

Using the online science textbook **Short Course K: Introduction to Matter**, find the index, and note the page number that each of the concepts/ideas below is explained. Read through the page and begin studying ideas for a test next week...

- Vocabulary:
 - **Chemical property:** a property of matter that describes a substance's ability to participate in chemical reactions
 - **Chemical reaction:** the process by which one or more substances change to produce one or more different substances
 - **Density:** the ratio of the mass of a substance to the volume of the substance
 - **Element:** a substance that cannot be separated or broken down into simpler substances by chemical means
 - **Gravity:** a force of attraction between objects that is due to their masses
 - **Mass:** a measure of the amount of matter in an object
 - **Matter:** anything that has mass and takes up space
 - **Molecule:** a group of atoms that are held together by chemical forces; a molecule is the smallest unit of matter that can exist by itself and retain all of a substance's chemical properties
 - **Physical change:** a change of matter from one form to another without a change in chemical properties
 - **Physical properties:** a characteristic of a substance that does not involve a chemical change, such as density, color, or hardness
 - **Solubility:** the ability of one substance to dissolve in another at a given temperature and pressure
 - **Solution:** a homogeneous mixture throughout which two or more substances are uniformly dispersed
 - **Solute:** in a solution, the substance that dissolves in the solvent
 - **Solvent:** in a solution, the substance in which the solute dissolves
 - **Volume:** a measure of the size of a body or region in three-dimensional space
 - **STATES of Matter – and differing properties****