**6.P.2.1 Matter Notes  
  
Vocabulary:**Matter- anything that has mass and takes up space  
Atom- the smallest particle of an element  
Element- matter that is made of only one type of atom  
Molecule- two or more atoms of an element joined together  
Compound- two or more atoms of different elements joined together  
Particles- small pieces of an item

**Complete the bullets using the vocabulary above.**

* All elements are composed of extremely small particles called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Atoms are the smallest particles of an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* A \_\_\_\_\_\_\_\_\_\_\_\_ is a group of atoms that are joined together and act as a single unit.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is anything that has mass and volume.
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_ are the smaller pieces of any item.

**John Dalton’s Atomic Theory**

1. Atoms \_\_\_\_\_\_\_\_\_\_\_\_ be \_\_\_\_\_\_\_\_\_\_\_\_ into smaller pieces.
2. In any \_\_\_\_\_ \_\_\_\_\_\_\_\_\_, all the atoms are \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.
3. Atoms of two or more \_\_\_\_\_\_\_\_\_ can \_\_\_\_\_\_\_\_\_ to form \_\_\_\_\_\_\_\_\_\_\_.
4. \_\_\_\_\_\_\_\_\_ of each \_\_\_\_\_\_\_\_\_ have a \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.

**Key Concepts**

* All ­­­­­\_\_\_\_\_\_\_\_­­\_\_\_\_\_\_\_ is made up of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Different \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ contain different \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
* Everything is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ except \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!