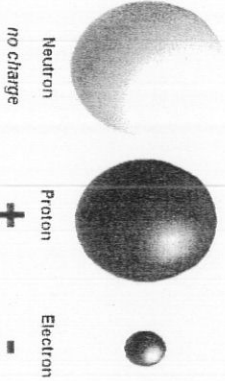



Sunfish Science
Chemistry vocabulary

Name _____
Page _____

Directions: For each question, **provide an answer** using the statements given. Then, **create a drawing or a diagram** that represents the vocabulary term. Two have been completed for you as examples.

Question	Diagram/Drawing	Definition/Answer
What is an element?		An element is
What are subatomic particles?	 <p>The diagram shows three subatomic particles. On the left is a large, light-colored sphere labeled 'Neutron' with 'no charge' written below it. In the middle is a large, dark-colored sphere labeled 'Proton' with a '+' sign below it. On the right is a very small, dark-colored sphere labeled 'Electron' with a '-' sign below it.</p>	Subatomic particles are particles that are smaller than an atom and make up the atom. They include neutrons, protons, and electrons.
What is an atom?		An atom is

What is a compound ?		A compound is
What is a proton ?		A proton is
What is a neutron ?		A neutron is
What is an electron ?		An electron is

<p>What is the atomic number?</p>		<p>Atomic number is</p>
<p>What is the atomic weight (mass) number?</p>		<p>The atomic weight or mass number is the total number of protons and neutrons in the nucleus of an atom.</p>
<p>How do you calculate the number of electrons?</p>	<p># of protons = # of electrons</p> <p>OR</p> <p>Atomic # = # of electrons</p>	<p>In a neutral atom (one with no charge) the atomic number is equal to the number of electrons. In other words:</p> <p># of protons = # of electrons</p>

<p>a subatomic particle with a negative charge that is found orbiting around the nucleus of an atom.</p>	<p>the number of protons in the nucleus of an atom.</p> <p>Atomic # = # of protons (atomic number is specific to each type of atom)</p>
<p>a molecule that is made of two or more different types of atoms. The atoms are chemically combined.</p>	<p>a pure substance where all the atoms are the same. - cannot be broken down</p>
<p>a subatomic particle with a positive charge that is found within the nucleus of an atom. (atomic number tells you the number of these subatomic particles)</p>	<p>a subatomic particle with a zero charge that is found within the nucleus of an atom.</p>
<p>The smallest unit of matter consisting of protons, neutrons and electrons</p>	