

Visit the Chemistry Links page at the Kid Zone to find these sites. This assignment is also linked from the class website (loganchemistry.weebly.com). Go to <http://sciencespot.net> and click the Kid Zone graphic.

CHEMystery (under General Sites)

Go to the "Matter" area (in the left menu) to find the answers to these questions.

1. Matter is anything occupying _____ and having _____; it is the material of the _____.
2. There are three main phases of matter: _____, _____, and _____. There is also a fourth phase, _____, but it exists at very high temperatures.

Go back to the main site <http://sciencespot.net> and click the Kid Zone graphic.

Science is Fun (under General Sites)

Go to the "ChemTime Clock" area to find the answers to these questions.

1. All materials, whether solid, liquid, or gas, are made of atoms. Atoms are the smallest _____ of _____. Scientists have found over _____ different kinds of atoms. The many different materials we encounter are made from _____ of these atoms. A material in which all atoms are the same kind is called an _____. Therefore, there are over _____ different elements. Each element has been assigned a number, called its _____.
2. Search for information about each element on the ChemTime Clock. Use the chemical symbol to identify each element.

- | | |
|---------------------------------|--|
| _____ lightest atom | _____ first discovered in the Sun |
| _____ lightest metal | _____ Beryl, emeralds, and aquamarine |
| _____ found in borax | _____ atomic number of 11 |
| _____ atomic number of 7 | _____ diamond and graphite |
| _____ major component of air | _____ 2 nd most abundant element on Earth |
| _____ used in making toothpaste | _____ atomic number of 3 |
| _____ an element in table salt | _____ glows red-orange with electricity |
| _____ atomic number of 12 | _____ name from Greek work for sun |
| _____ used in "mag" wheels | _____ most common atom in universe |
| _____ atomic number of 9 | _____ found in buckyballs |
| _____ used in laundry detergent | _____ atomic number of 2 |

Go back to the main site <http://sciencespot.net> and click the Kid Zone graphic.

Chem4Kids (under General Sites)

Go to the "Atoms" area to find the answers to these questions.

1. You are made up of billions and billions of _____.
2. What are the three "pieces" to an atom? _____, _____, _____

Stay in the "Atoms" area, but click "Compound Names" in the right menu to find the answers to these questions.

1. How many chlorine atoms would be in a compound with the name:
 - a. dichloride? _____
 - b. tetrachloride? _____
 - c. decachloride? _____
2. What do you get when you add the following atoms together (name and formula)?
 - a. one carbon and one oxygen? _____
 - b. one carbon and two oxygen? _____
 - c. one carbon and four chlorine? _____
 - d. one sulfur and six fluorine? _____
 - e. two nitrogen and four oxygen? _____

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Quia! Chem Games - Common Chemicals (under Chemistry Games and Puzzles)

Play the game to discover the names of these common chemicals (You will have to play more than once to get all the answers):

Acetic acid = _____

Sodium bicarbonate = _____

Ascorbic acid = _____

Sucrose = _____

Retinol = _____

Sodium chloride = _____

Acetylsalicylic acid = _____

Sodium hydroxide = _____

Thiamine = _____

Cobalamin = _____

Once you are finished, you may choose any site from the Kid Zone to explore.

Good luck and have fun!