

Visit the **Chemistry Links** page at the **Kid Zone** to find these sites!

Go to <http://sciencespot.net/> and click the **Kid Zone** graphic!

Science Is Fun 2

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 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 Chem Time 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

____ 2nd 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 word for sun

____ Used in “mag” wheels

____ Most common atom in universe

____ Atomic number of 9

____ Found in buckyballs

____ Used in laundry detergents

____ Atomic number of 2

Chem4Kids

Go to the “**Atoms & Structure**” area to find the answers to these questions.

1. Who developed the idea of electron shells, also called orbital shells? _____

2. What are the three “pieces” to an atom? _____

← **More question from this site on back**

Go to the “Atoms & Naming” area 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?

a. one carbon and one oxygen? _____

b. one carbon and two oxygen? _____

c. one carbon and four chlorine? _____

Quia! Chem Games

Choose the “Common Chemicals” game.

1. Play the game to discover the names of these common chemicals:

Acetic acid = _____

Sodium chloride = _____

Sodium bicarbonate = _____

Acetylsalicylic acid = _____

Ascorbic acid = _____

Sodium hydroxide = _____

Sucrose = _____

Thiamine = _____

Retinol = _____

Cobalamin = _____

2. How did you do? Circle one. 😊 Great 😐 Fair ☹️ Need practice!