

Chemistry Scavenger Hunt

Name _____

Visit the Chemistry Links page at the Kid Zone to find these sites!
Go to <http://sciencespot.net/> and click the Kid Zone graphic!

CHEMystery

Go to the “Matter” area 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.

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? _____

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.

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

- Acetic acid = _____
Sodium bicarbonate = _____
Ascorbic acid = _____
Sucrose = _____
Retinol = _____
Sodium chloride = _____
Acetylsalicylic acid = _____
Sodium hydroxide = _____
Thiamine = _____
Cobalamin = _____

How did you do?
 Great
 Fair
 Need practice!

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

TURN YOUR PAPER IN TO YOUR TEACHER BY THE END OF CLASS!