

## Introduction to Chemistry Worksheet

Name\_\_\_\_\_

Provide a definition, an explanation or a meaning for the following:

Atom:

Element:

Who proposed the atom and when?

Who was Dalton?

What were the three parts of his theory?

Which scientist revised it?

What did Rutherford do?

Nucleus:

Electrons:

Protons:

Neutrons:

As best as you can, draw a diagram of an atom:

What particles form the nucleus?

Why are all atoms neutral?  
What is the atomic number?

Who was Dmitri Mendeleev?

Explain what periodic means?

What is the periodic law?

4 Characteristics of metals:

3 characteristics of non-metals:

3 characteristics of metalloids:

Period:

Groups:

2 properties of alkali metals:

2 properties of alkali earth metals:

2 properties of transition metals:

2 properties of metalloids:

See if you can name the element to the identifier before checking the book:

H:

N:

C:

Na:

He:

Cu:

Au:

Hg:

Pb:

Sn:

Cl:

Fe:

Al:

K:

Ti:

Si:

Ge:

P:

S:

Mg: