

Name: _____

Date: _____

Notes: The Periodic Table of the Elements

Who developed the first accepted Periodic Table? _____

What helped validate this periodic table and the arrangement of elements it presented?

Describe **atomic number**: _____

Describe **atomic mass**: _____

Where are metals located? _____

Where are nonmetals located? _____

What happens to the electrons of **metals**? _____

What kind of charge do metals have? _____

What do we call positively charged ions? _____

Define **oxidation**: _____

What happens to the electrons of **nonmetals**? _____

What kind of charge do nonmetals have? _____

What do we call negatively charged ions? _____

Define **reduction**: _____

Why types of elements do metals react with? _____

Donating and Gaining Electrons

Group 16: _____

Group 1: _____

Group 17: _____

Group 2: _____

Group 18: _____

What do we call the metals in the d-block? _____

What do we call the elements lying along the dark, jagged line? _____

Why are metalloids unique? _____

What 3 elements compose the Iron Triad? _____

Which elements are filling their **s** and **p** sublevels? _____

Which elements are filling their **d** and **f** sublevels? _____

GROUP NAMES:

Group 1: _____

Group 17: _____

Group 2: _____

Group 18: _____

