

THE PERIODIC TABLE OF ELEMENTS

On the accompanying Periodic Table of Elements, do the following:

- 1) Number the groups and periods;
- 2) Label the halogens, alkali metals, transition metals, alkaline metals, noble gases, and non-metals groups;
- 3) Draw in the stair-step line that divides the metals from the non-metals;
- 4) Draw a box around the element that is the exception to the metals/non-metals rule;
- 5) Label the Actinide series and Lanthanide series of elements;
- 6) Using the element Beryllium, label the element's atomic mass, symbol, name, and atomic number;
- 7) (optional) Use colored pencil to shade the following groups and periods: transition metals, Lanthanide and Actinide series, alkali metals, non-metals, other metals, alkaline metals, halogens, and noble gases.

Periodic Table credits:

Some information provided by Dr. Brent May, Widener University, Chester, Pennsylvania

1995 IUPAC masses and Approved Names from <http://www.chem.qmw.ac.uk/iupac/AtWt/masses> for 107-111 from C&EN, March 13, 1995, p. 35

112 from <http://www.gsi.de/z112e.html>

NAME: _____

1

H

Hydrogen

1.00794

2

He

Helium

4.003