

Name: _____

Class: _____

Date: _____

Using the Periodic Table to identify "MYSTERY" elements.

Purpose: We will use the periodic table to find out about some elements and to identify other elements on the basis of information in the periodic table.

Background Information: A great deal of information on elements, their atomic structure, and their properties can be gotten by consulting the periodic table. You can also use the given information to figure out other facts about the elements. For example, the typical number of neutrons can be calculated by subtracting the atomic number from the rounded atomic mass. The atomic number also tells us the number of protons in the nucleus of one atom.

Materials: Lab, periodic table, pen or pencil, calculator (optional), textbook

Procedure:

1. Use the information in the periodic table to complete the data table.
2. Round the atomic mass to the nearest whole number.
3. Complete analysis questions on back page.