Periodic Table Worksheet

Part 1: States of Matter of the Elements

Use the Periodic Table in your textbook or other resource to shade the boxes in the blank table of elements (red for solids, blue for liquids, and yellow for gases).   Color the key below.

Key: State of Matter

Solid

Liquid

Gas

In what state of matter do most of the elements of the periodic table exist? _____

Part 2: Kinds of Elements

Use the Periodic Table in your textbook or other resource to shade the boxes in the blank table of elements (orange for metals, pink for nonmetals, and green for metalloids).   Color the key below.

Key: Kinds of Elements

Metals

Nonmetals

Metalloids

Where on the periodic table are the metals located? _____

Where on the periodic table are the nonmetals located? _____

List the metalloids.

Part 3: Families of Elements

Use the Periodic Table in your textbook or other resource to shade the boxes in the blank table of elements. (See colors on the board.) Color the key below.
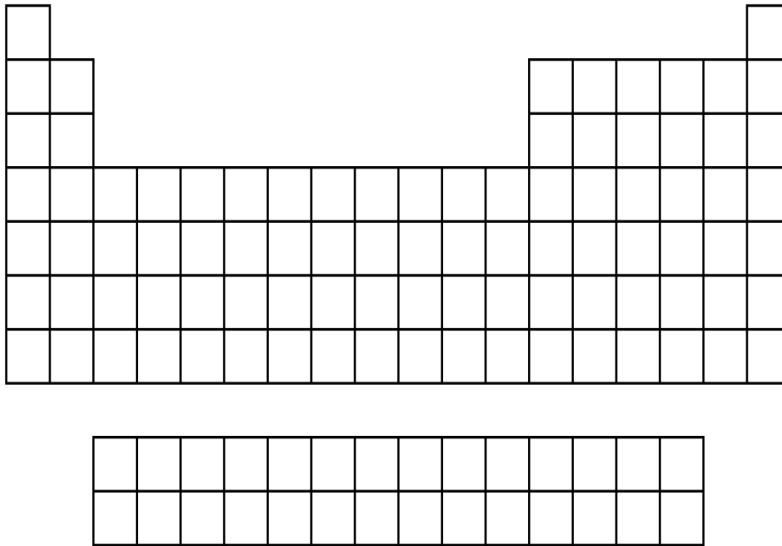
The element hydrogen should not be colored. It stands apart from the rest of the elements because its properties do no match any other single group. It's the most abundant element in the universe and is highly reactive.

Rows of the periodic table are called _____.

How many periods are on the table? _____

Columns of the periodic table are called _____.

Key: Element Families
Alkali metals

Alkaline earth metals

Transition metals

Boron family

Carbon family

Nitrogen family

Oxygen family

Halogens

Noble gases

Lanthanides

Actinides