3.1 Parts of the Periodic Table Activity

1. Everyone has a “cheat-sheet”.
2. You’re not allowed to show others your cheat-sheet, you must *read* off it.
3. Goal: fill up your notes sheet with all the necessary information by going around the room and asking others for information about their “group”
4. Some of the information you’ll have to figure out yourself--not all of it is on the “cheat-sheet”!
5. You should use this as a study guide!!

**Part 1: Location**

Label the parts of the periodic table below.

**Part 2: Properties**

**Alkali Metals**

Group \_\_\_\_\_\_\_ Number of Valence Electrons \_\_\_\_ In the \_\_\_\_ Block

Properties (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examples (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Alkaline-Earth Metals-----------------------------------------------**

Group \_\_\_\_\_\_\_ Number of Valence Electrons \_\_\_\_ In the \_\_\_\_ Block

Properties (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examples (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Transition Metals**

Group \_\_\_\_\_\_\_ Number of Valence Electrons \_\_\_\_ In the \_\_\_\_ Block

Properties (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examples (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lanthanides-------------------------------------------------------**

Group \_\_\_\_\_\_\_ Number of Valence Electrons \_\_\_\_ In the \_\_\_\_ Block

Properties (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examples (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Actinides---------------------------------------------------------**

Group \_\_\_\_\_\_\_ Number of Valence Electrons \_\_\_\_ In the \_\_\_\_ Block

Properties (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examples (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Halogens---------------------------------------------------------**

Group \_\_\_\_\_\_\_ Number of Valence Electrons \_\_\_\_ In the \_\_\_\_ Block

Properties (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examples (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Noble Gases------------------------------------------------------**

Group \_\_\_\_\_\_\_ Number of Valence Electrons \_\_\_\_ In the \_\_\_\_ Block

Properties (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Examples (1) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (2) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_