

Science Notebook Layout **DON'T COPY UNDERLINED TEXT**

Mrs. Aguirre's Webpage: <http://www.quia.com/profiles/caguirre>

Electron Levels and Families...

1. Alkali metals have outer electron levels that are **(FULL or NOT FULL)** and **(ARE or ARE NOT)** reactive because.. Give **TWO** examples from the video
2. Halogens have outer electron levels that are **(FULL or NOT FULL)** and **(ARE or ARE NOT)** reactive because.. Give **TWO** examples from the video
3. Noble gases have outer electron levels that are **(FULL or NOT FULL)** and **(ARE or ARE NOT)** reactive because.. Give **TWO** examples from the video
4. How is the electron arrangement similar in the....
 - a. Alkali metals? **Li and Na both....**
 - b. Halogens? **F and Cl both....**
 - c. Inert gases? **He, Ne, and Ar all...**

Referring to the periodic table, determine whether each list of elements represents part of a **period** or a **group**. (which one?) **(write symbols only)**

- A. oxygen, sulfur and selenium(O, S, Se)
- B. nickel, copper and zinc (Ni, Cu, Zn)
- C. hydrogen, sodium & potassium(H, Na, K)
- D. copper, silver and gold (Cu, Ag, Au)
- E. sodium, magnesium & aluminum(Na, Mg,Al)

Physical and Chemical Properties

| Use pages 138 , 140 and 142 | Physical Properties | Chemical Properties |
|-----------------------------------|--|---------------------|
| DEFINITION | | |
| EXAMPLES (at least 2 for EACH) | <p>In each box, take notes from the text- and also from your notebook pages.</p> <p>For each group or family, find at least 2 properties for each- 2 physical ones and 2 chemical ones</p> | |
| Alkali Metals (use page 142) | | |
| Noble Gases (use page 142) | | |
| Halogens (use page 142) | | |
| Metals (use page 140) | | |