

QUIZ ALERT: a quiz is scheduled for _____, _____ - _____ - _____ !

Be sure to review your activities, notes, handouts, website, this review sheet, and target 4 !

Learning Target 4: The periodic table organizes the elements.

Success Criteria -

- Explain how elements are arranged in the periodic table.
- Identify elements by their atomic number and atomic mass.
- Compare and contrast mass and weight and know what tools and units are used to measure each.

Scientist: Keys

Date: _____ - _____ - _____ HR: _____

Periodic Table Organization REVIEW

- Who is the father of the periodic table? Dmitri Mendeleev
- What is the symbol for potassium? K
- What is the atomic number of magnesium? 12
- What element has 80 protons? Mercury (Hg)
- * The periodic table of elements is organized by (1) ... increasing atomic numbers (or number of protons)
 - The stair step line separates the metals (on the left) from the non-metals (on the right).
 - The color of the boxes tell us ... its state of matter - if it's a solid, liquid, gas (or artificially made)
- The tool that we used to measure mass is the triple beam balance (not the bathroom scale) and it's units are measured in grams (g).
- The tool that we used to measure weight is the spring scale (not the bathroom scale) and it's units are measured in newtons (N) or grams (g).
- Which vocabulary term, mass or weight, is most closely associated with the following ideas.
 - mass is the amount of matter inside of an object.
 - weight is the amount of gravitational pull on an object.
 - mass stays the same on earth as it would be on the moon.
 - weight changes on the moon.
- Explain the difference between mass and weight? Weight deals with the force of gravity pulling down on an object and mass does not. mass is the measure of how much matter is in an object.