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Period:

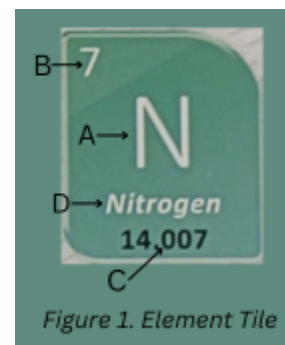
Periodic: A Table of the Elements

DIRECTIONS: Use the indicated figures to answer each question.

1. _____ In Figure 1, which letter represents nitrogen's atomic number?

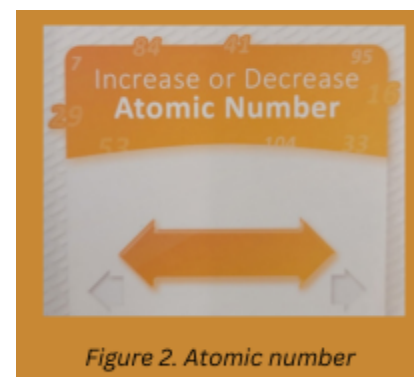
2. _____ In Figure 1, which letter represents nitrogen's atomic symbol?

3. _____ In Figure 1, which letter represents nitrogen's average atomic mass?



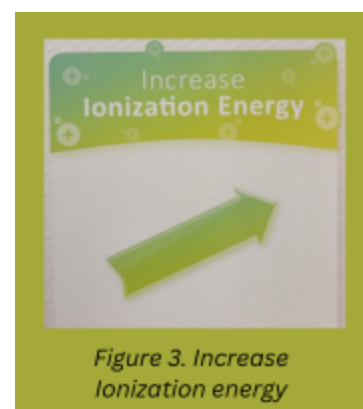
4. Beginning at the element carbon on the periodic table, what element would you land on if you **INCREASE** the atomic number by 4?

5. Beginning at the element strontium on the periodic table, what element would you land on if you **DECREASE** the atomic number by 5?



6. Place the following elements in order of **DECREASING** ionization energy. (Use Figure 3 for reference.)

P At Na Si K W Cd



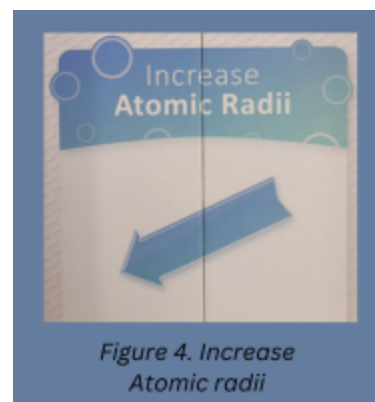
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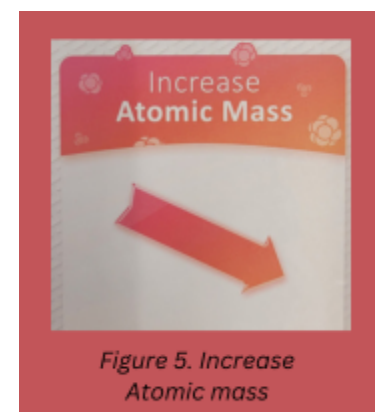
7. Place the following elements in order of **INCREASING** atomic radii. (Use Figure 4 for reference.)

Ra Mg Fe C Ag O Zr



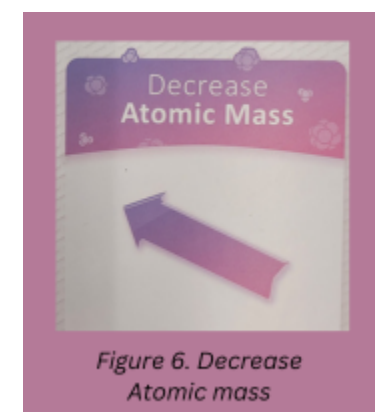
8. Place the following elements in order of **INCREASING** atomic mass. (Use Figure 5 for reference.)

Ru Li S Sc Ca Pb Cr



9. Place the following elements in order of **DECREASING** atomic mass. (Use Figure 6 for reference.)

Fr Ti N Ir Y F Ni



10. Describe how the law of conservation of energy is observed in *Periodic: A Game of the Elements*.