**What do metals do during chemical reactions???**

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**Remember the Formula for Coulomb’s Law F = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1)** What would happen in the following situation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 

**2)** What would happen to the **force** in the following situation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 

**3)** What is happening to the **F**  and why?

**4)** Where**, recently**, have you seen the number of positive charges and the number of negative charges changing in this course?

**5)** Draw the Bohr diagrams for Sodium, Magnesium and Aluminum side by side.

 **Na** **Mg** **Al**

**6)** What is happening????

*

*

*

**8)** What would happen in the following situation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 

**9)** What would happen in the following situation? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 

**10)** Where have you recently seen a number of positive charges separated a certain distance from a number of negative charges?

*

**11)** Draw the Bohr diagrams for Lithium, Sodium and Potassium lined up according to their positions in the Periodic Table.

 **Li**

 **Na**

 **K**

**12)** What is happening???

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**13)** Which was the most reactive metal? Justify.

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 Why?

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**14)** Which was the most reactive non-metal? Justify.

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 Why?

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