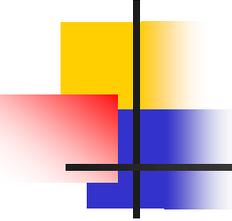


# 4 – 2 Representative Elements

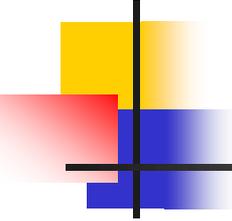
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# Group 1

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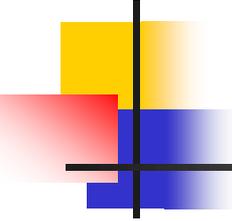
- Alkali Metals
- Silvery in color
- Fr is the most reactive in this group
- Tend to bond with group 17



# Group 2

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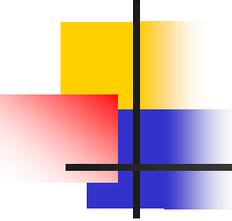
- Alkaline Earth Metals
- Not as reactive as group 1
- Be is found in gem stones
- Mg is found in chlorophyll
- Ca is found in bones
- Tends to bond with group 16



# Group 13

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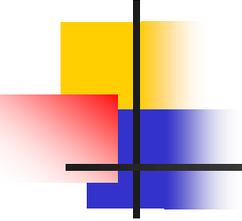
- Boron Group
- B is used in cookware
- Al is used as a substitute for steel
- Ga will melt in your hand
- Tends to bond with group 15

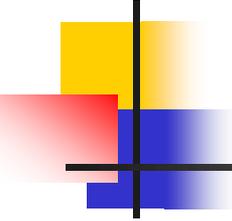


# Group 14

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- Carbon Group
- C is found in the lead of a pencil, diamonds, all living organisms
- Si is found in sand, glass, computer chips
- Semiconductors – does not conduct electricity as well as a metal, but better than a nonmetal.

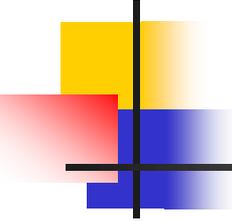
- 
- 
- Si is a semiconductor ( most metalloids are )



# Group 15

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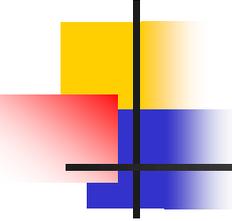
- Nitrogen Group
- N makes up 80 % of the air that we breathe



# Group 16

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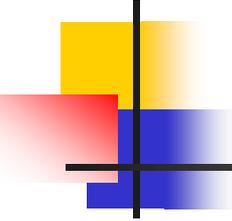
- Oxygen group
- O makes up about 17 % of the air we breathe.
- S is used to make sulfuric acid, which is important in manufacturing many products.
- Se conducts electricity when exposed to light



# Group 17

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- Halogens
- Halogen – salt former.
- F is the most reactive.
- Br is a liquid



# Group 18

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- Noble Gases
- They rarely combine ( bond ) with other elements.
- He is less dense than air
- Most are used in neon lights
- Rn is a radioactive gas that can get in homes and cause cancer