

# Station Review

Quiz 3

# Do Now

Take out:

- Workbook 4.2
- Periodic Table
- Pencil/Pen
- Station Review Handout

- ❖ You will have 4 minutes at each station to solve the problem there.
- ❖ You will get about 5-10 minutes at the end of class to finish any unfinished problem.
- ❖ Slides will be posted at the end of the day to Google Classroom for you to finish.

# Station 1 - $\text{NO}_3^{1-}$

- Draw Lewis Dot Structure
- Draw Structural Formula
- Draw 3D Shape
- Determine Molecular Geometry (Name)

## Station 2 - C<sub>2</sub>H<sub>6</sub>

- Draw Lewis Dot Structure
- Draw Structural Formula
- Name the compound

# Station 3

- Name the compounds:
  - NaCl
  - SiCl<sub>4</sub>
  - P<sub>2</sub>O<sub>5</sub>
  - K<sub>2</sub>S

# Station 4 - $\text{PCl}_3$

- Draw Lewis Dot Structure
- Draw Structural Formula
- Draw 3D Shape
- Determine Molecular Geometry (Name)

# Station 5 - $\text{P}_2\text{Br}_4$

- Draw Lewis Dot Structure
- Draw Structural Formula
- Name the compound

# Station 6

- Name the compounds:
  - $S_4O_8$
  - $Cl_3O_5$
  - $Li_3N$
  - $N_3O_7$



# Station 7 - $\text{CCl}_2\text{I}_2$

- Draw Lewis Dot Structure
- Draw Structural Formula
- Draw 3D Shape
- Determine Molecular Geometry (Name)

# Station 8 - PH<sub>3</sub>

- Draw the Structural Formula
- A student says that this molecule has trigonal planar geometry. Are they correct? Justify your answer with a drawing and explanation of VSEPR theory.