



10) **Nitrogen** & **Nitrogen**

Family 1 2 3 4 5 6 7 8
 Valence Electrons _____
 Number of Bonds _____
 Number of atoms needed _____




Dot Diagram (•)


Family 1 2 3 4 5 6 7 8
 Valence Electrons _____
 Number of Bonds _____
 Number of atoms needed _____

Dot Diagram (•)


Circle Bond Type for the diagram - = ≡




Molecule Line Drawing

single  1 2
 double  1 2
 triple  1 2

Electrons you may need
 left 1 2 3 4 5 6
 right 1 2 3 4 5 6
 middle 1 2 3 4 5 6

Dot Diagram Molecule

Drag and drop the Bond Type

singles  1 2
 doubles  1 2
 triples  1 2

Electrons you may need
 top 1 2 3 4 5 6
 left 1 2 3 4 5 6
 right 1 2 3 4 5 6
 bottom 1 2 3 4 5 6

Formula







1 2

1 2
 5 6
 4 3

Name of compound: _____

11. Ethane is a molecule of hydrogen and carbon. However, ethane has two single bonded carbon atoms (black) joined together and the rest hydrogen. Make a model, draw a picture and write the formula for this molecule below.

Drag and Drop











1 2 3 4
  
  

1 2 3 4
 1 1 2 2 3 3 4 4
 1 2 3 4

Formula

12. Make a propane molecule using three single bonded carbons atoms joined and the rest hydrogen. Draw a picture and give the formula.

Drag and Drop

1 2 3 4 5 6
    
    

1 2 3 4 5 6
 1 1 2 2 3 3 4 4 5 5 6 6
 1 2 3 4 5 6

Formula