

Electron Dot Formulas (or Lewis dot structures) Shape, and Polarity Worksheet

1. For the following molecules and polyatomic ions draw the electron dot structure, determine the molecular shape using the Table of Shapes, and for neutral molecules only determine if the bonds are polar or not, and determine if the entire molecule is polar or not:



2. Really cool interactive tutorial at http://www.wisc-online.com/objects/index_tj.asp?objID=GCH6404
BUT stop at page 20, don't do the exceptions!!!
3. Go to <http://www.stolaf.edu/depts/chemistry/courses/toolkits/123/js/lewis/>

And choose only these molecules from the top left menu:

1. Ammonia
2. Carbon dioxide
3. Hydrogen fluoride
4. Hydrogen peroxide
5. Methyl fluoride
6. Molecular fluorine
7. Molecular nitrogen
8. Ozone
9. Phosphine
10. Water

Answers from number 1

