Lewis Dot Structures Activity

Part 1. Draw correct dot structures for the following elements or ions. Some will have multiple bonds and there are a few with coordinate covalent bonds and resonance structures as well.

1. O2
2. N2
3. CO2
4. HCN
5. C2H4
6. C2H2
7. CO
8. NH4+
9. H3O+
10. CH4
11. NH3
12. H20
13. BF3
14. SO2
15. O3
16. CO32-
17. C6H6

Part 2. Go to <http://www.stolaf.edu/depts/chemistry/courses/toolkits/123/js/lewis/>

Choose 10 more molecules to draw structures for. Name, write the molecular formula, and draw the structure

You need to be fairly proficient at this so we can discuss and practice drawing correct shapes of molecules next class.