ES Chapter 2 Matter Lab

Elements and Molecules

Element List:

Hydrogen – white

Oxygen – red

Nitrogen – blue

Chlorine – green

Carbon – black

Sulphur – yellow

Sodium – Metallic (one hole)

Using the ball and stick models provided, and some help from your book or the internet, create the following molecules. Short grey bonds represent single bonds, longer grey bonds are used when multiple (double & triple) bonds are needed.

\***Draw** a picture of each molecule and **label** it with its name and chemical formula



Example:Water = H2O

1. Ethanol – C2H6O
2. Nitrogen trifluoride – NF3
3. Carbon dioxide – CO2
4. Diatomic oxygen – O2
5. Methane – CH4
6. Diatomic Nitrogen – N2
7. Tetrochlorocyclopropane – C3Cl6
8. Hydrogen peroxide – H2O2
9. Sulfur dioxide – SO2
10. Nitrous oxide – N2O

Challenge

1. Sugar – C6H12O6
2. Benzene – C6H6 (ring)