

STE
Lab 1.2

Name _____
Partner _____

1. a. First draw a **dot structure** for each of the following:

H_2O	C_2H_4	$\text{C}_2\text{H}_4\text{O}$

- b. Using the kit given to you, build a model for each of the above structures. **Do one at a time, or you'll run out of balls.** Draw what you've built. Follow the following guidelines:

1. Different atoms must be represented by different colored balls
2. You must choose a ball with the correct number of holes. The number of holes must equal the number of electrons the atom needs to fill its outermost energy level. Example: Br must have 1 hole only.
3. Each spring represents one pair of shared electrons.

- c. **3-D Drawings of the models:** (drawings have to be neat and labeled; otherwise use colours.)

H_2O	C_2H_4	$\text{C}_2\text{H}_4\text{O}$

