

H 1							He 2
Li 3	Be 4	B 5	C 6	N 7	O 8	F 9	Ne 10
Na 11	Mg 12	Al 13	Si 14	P 15	S 16	Cl 17	Ar 18

1. What type of bond is formed in  $O_2$ ? Circle one.



$O=O$   $O_2$  oxygen

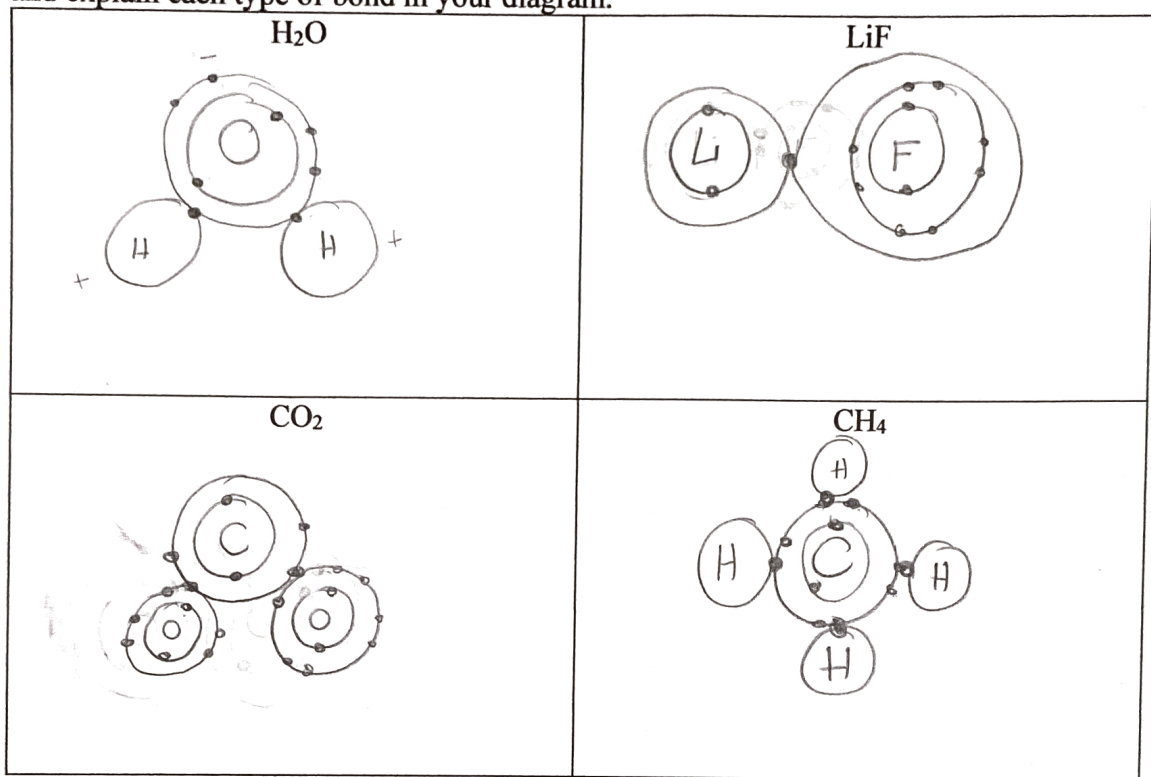
hydrogen

polar covalent

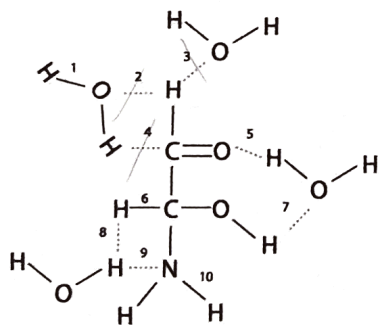
nonpolar covalent

ionic

2. Draw the following compounds (similar to the electron dot diagram of  $O_2$  above). Label and explain each type of bond in your diagram.



3. Which of the following is a hydrogen bond?



number 9.

4. On the back of the paper, draw 4 water molecules interacting with one another. Label the hydrogen bonds.

