

## PART II



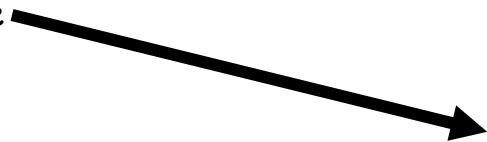
Remember, just like in a ingredients together to



chocolate chip cookie recipe (formula), you have to add certain make your cookies work.

Same thing happens when the atom molecules combine, certain molecules go together based on what the formula (recipe) says, in order for the molecules to make the compound.

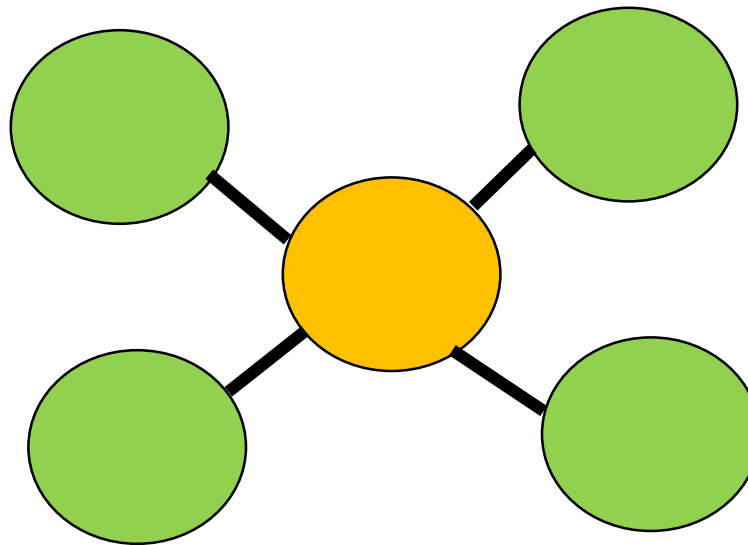
Example



Methane Gas Formula

Green =


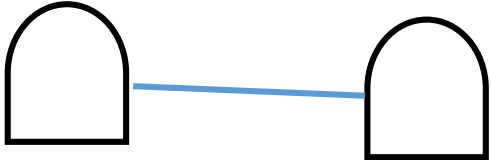
Orange =

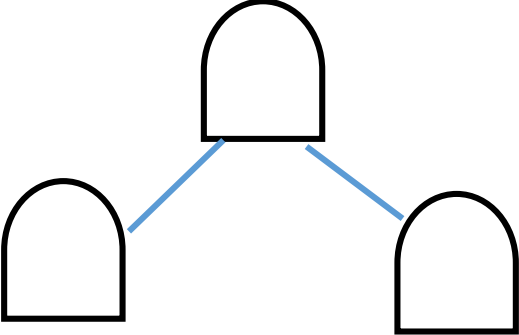
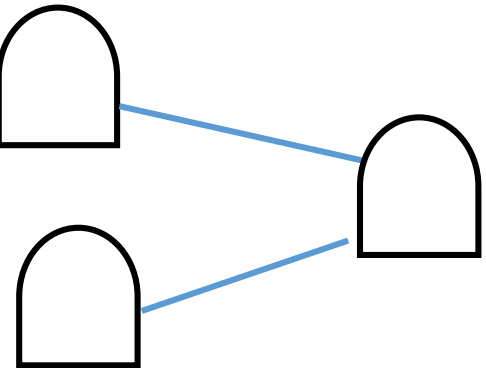


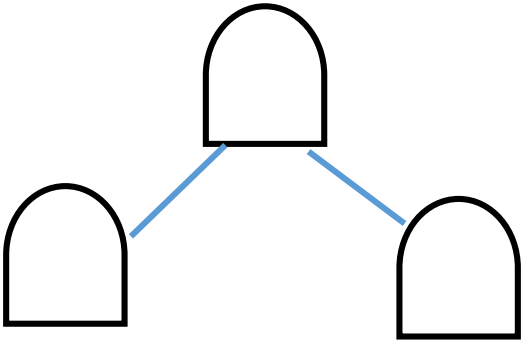
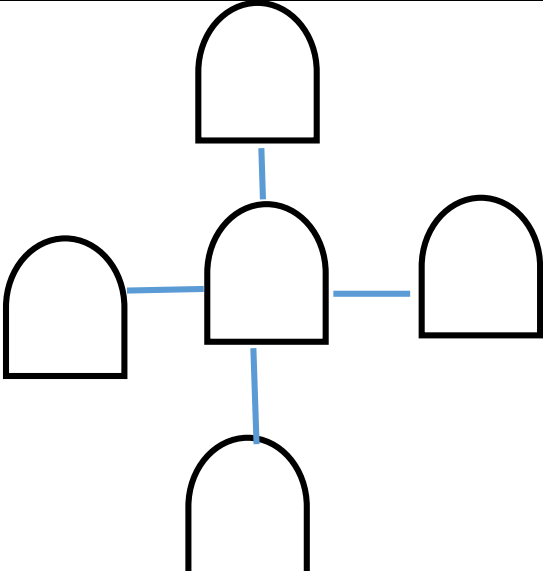
Directions:

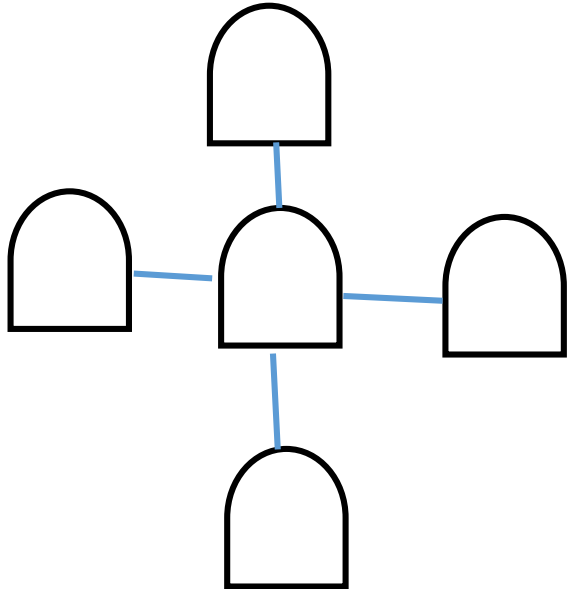
Complete the chart below

You will need to color in the DOTS the correct color in the DOTS model

FORMULA (RECIPE)	ELEMENTS NAME/AMOUNT	DOTS MODEL KEY
H <sub>2</sub>	H = _____  # Needed = _____	
NaCl	Na = _____  # Needed = _____  Cl = _____  # Needed = _____	

FORMULA (RECIPE)	ELEMENTS NAME/AMOUNT	DOTS MODEL KEY
H <sub>2</sub> O	H = _____ # Needed = _____ O = _____ # Needed = _____	
Na <sub>2</sub> O	Na = _____ # Needed = _____ O = _____ # Needed = _____	

FORMULA (RECIPE)	ELEMENTS NAME/AMOUNT	DOTS MODEL KEY
CaCl <sub>2</sub>	Ca = _____ # Needed = _____ Cl = _____ # Needed = _____	
CH <sub>4</sub>	C = _____ # Needed = _____ H = _____ # Needed = _____	

FORMULA (RECIPE)	ELEMENTS NAME/AMOUNT	DOTS MODEL KEY
$\text{CHCl}_3$	C = _____ # Needed = _____ H = _____ # Needed = _____ Cl = _____ # Needed = _____	 <p>The diagram shows a central carbon atom (represented by a square) bonded to one hydrogen atom (represented by a circle) and three chlorine atoms (represented by squares). The bonds are shown as blue lines connecting the central carbon to each of the surrounding atoms.</p>