이 얼마나는 생각이 되어가고 있어요? 하는데 하는데 이번에 가장 하면 하면 가장 보는데 없는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하는데 하	
Classification of Matter Worksheet	
Advanced Chemistry Name:Block:	
1. Explain what the formula of water, H ₂ O, tells us in your own words. The formula for worter tells us that each indicate has a picture of at least 3 water molecules 2. What is the difference between 2N and N ₂ ? Draw a picture of each to support your explanation	O
0=N 0 0	
3. Is there a difference between a homogeneous mixture of hydrogen gas and oxygen to gas in a 2:1 ratio and a sample of water vapor? Explain using microscopic level sketches (drawings).	n and the
0=0 00 00 00 00 00 00 00 00 00 00 00 00	
homogenous mixture of hydrogen and oxygen gas in 2:1 ratio A matter of hydrogen and oxygen gas in 2:1 ratio A matter of hydrogen and oxygen gas in 2:1 ratio Same atoms with the same ratio but they are checked. 4. How do the properties of a compound, in general, compare with the properties of the elements of which it is composed? Give an example of a common compound and the elements of which it is composed to illustrate your answer. They have composed.	al
O = C Compound CO2 Elements that make up the compound	المو
5. Examine the water model and salt model. Water is a molecule of H20 with covalent bonds while salt is an ionic compound of NaCl described in formula units with a ratio of 1:1. Draw the sample models below and use the models to explain how they are the same and how they are different.	lo
water (1) Sail (1) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	-00
0=0 0=H moleculus in a 1:1 ratio	

Classification of Matter Worksheet

6.	Write the formula for each of the following substances, listing the elements in the order given, classify the substance and then draw a picture to illustrate each:						
		A molecule containing	,		NH3		
		and three hydrogen at			i		
	b.	A molecule containing and six hydrogen atom		s Option	Bath		
	c. A compound containing one calcium atom for every two chlorine atoms.						
d. A compound containing two iron atoms for every three oxygen atoms.					tea03		
	e.	A molecule containing one phosphorous ator	g three hydrogen n and four oxyge	atoms, en atoms.	HaPOH		
7. Indicate how many atoms of each element are present in the samples indicated below, classify the substance and draw the sample.							
	١.	1 molecule of CH ₄	11	molecule of 02 2 OWJIN	@		
4 hydrogen molecular compound molecular elemen							
		1 formula unit of Li ₂ S	2 n	nolecules of PCl ₃			
		1,44ium sultor	80	1 phosphorous	. 8		
.,		4 Formula units of Fe	mound 3r	molecules HCl	r compound		
	31)	ron itrogen		1 hydrosen 1 chlorine			
		ionica	npound	molecular	compound		