Build a M	olecul	e Student Guide	Name:
Start:	1. [Google: PhET Build a molecu	ıle
	2.	Click on the first link	
	3.	Click on the Run Now!	button
4. Explo	re the	simulation. Be sure to click	on everything.
	Violecul lection 1	es Build all of the molecu	les in the collection.
6.	Choos	e one of the molecules from	your collection and draw it in the box.
		Name of m	olecule:
		-it is made	up of atom(s) andatom(s)
7. Click o	n the	Collect Multiple tab at the	top of the screen.
✓ Buil	ld all t	he molecules in Collection 1.	
√ Be	on the	lookout for the 🙂 , it med	ans you have the collection completed.
8. Answ	er the	following questions for 2C	O ₂ .
a.	1- car	What is the name of the rbon atom?	molecule when 2- oxygen atoms bond with
b.	200	2 molecules, how many mole	ecules are present?
c.		u have 2CO ₂ molecules, l	how many <u>different</u> types of atoms are

Studying Molecules using the	Build a Molecule simulation		
d. Draw a picture o	f 2CO _{2.}		
Fill in the chart to a	pragnize the type of atom	(s) and the number present in 2	CO2
Name of atom i		Number of atoms present	
9.			
Summary: A coeffic formula.	c ient is a large numbe	r in front of the molecular	
2H2O -It means th	ere is <u>more than one</u> (molecule and multiples of at	oms
In this case: wow.	vater molecules with	hydrogen atoms and	
Larger Molecules \	section, Use Kit #4 to b	uild a SiH 4 molecule.	
What is the name of			الم
Extension!!!		you are Finish	ea:
Build a few molecules in the	arger Molecules		
•	-	s together to build actual molec	
	known molecule. In the	ule will appear when you have bui box to your left, draw a molecul name. (You can draw more below if you wa	le that
Name of molecule:	Write one observation	n you noticed about building mole	cules: