Names:	

Modeling an Atom Rubric

Introduction to Basic Chemistry

Model	Element
Chosen:	

	1	0	
Protons Contains all required parts: - correct location - correct charge - labeled		Missing/incorrect information: - incorrect location - incorrect charge - not labeled	
Neutrons	Contains all required parts: - correct location - correct charge - labeled	Missing/incorrect information: - incorrect location - incorrect charge - not labeled	
Contains all required parts: - correct location - correct charge - labeled		Missing/incorrect information: - incorrect location - incorrect charge - not labeled	
Visual Model is neat, organized, and accurately depicts an atom of the chosen element.		Model is disorganized, incomplete, or does not accurately depicts an atom of the chosen element.	

Covalent & Ionic Bonding Drawing

	1	0
Ionic Bonding	Diagram accurately depicts an ionic bond.	Diagram does not accurately depict an ionic bond.
Covalent Bonding	Diagram accurately depicts a covalent bond.	Diagram does not accurately depict a covalent bond.

١_				ts:
41	m	m	Δn	TC .

 /6 points

Names	

/8 points

Modeling an Atom Rubric

Introduction to Basic Chemistry

	_	good understan able to answer	U	•	sistance from their partner.
1.	What is an a	atom?			
	2	1	0		
2.	What subate	omic particles	make up the	ucleus?	
	2	1	0		
3.	Which suba	tomic particle(s) are found	urrounding the nucleu	s?
	2	1	0		
4.	What partic	ele(s) determin	e the overall	harge of an atom?	
	2	1	0	0	
5.	What is an o	element?			
	2	1	0		
6.	What are is	otones? What a	are the isotor	es of your element?	
•	2	1	0	s of your element.	
7.	What does r	nass number a	nd atomic ni	nher refer to?	
,•	2	1	0	inder refer to:	
8.	What are th	e different typ	es of chemics	hands?	
0.	2	1	()	bonus.	
	a Evn	lain ionic bond	Ŭ		
	а. Ехр	2	11 1	0	
	i.	What is an	ion?	U	
	1.	vv nat is an	1	0	
	h Evn	lain covalent b	ı ondina	U	
	D. Exp	am covalent b	onuing 1	0	
0	What is a m		1	0	
9.	what is a m	_	0		
10	<i>Z</i>	1	0		
10.	. What is a co		0		
	2	1	0		
11.	_	e subscripts and		ell us about the atoms	in a molecule or compound?
	2	1	0		
omm	ents:				

2= Student fully understands the material and can answer the question on their own.

309/31	0 Bio	ology

Names:	 	