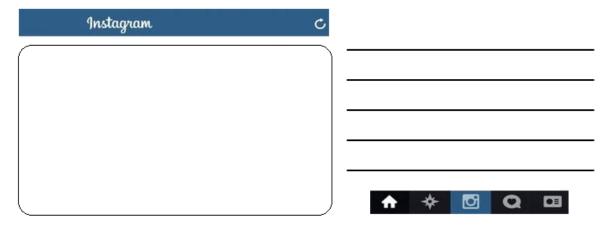
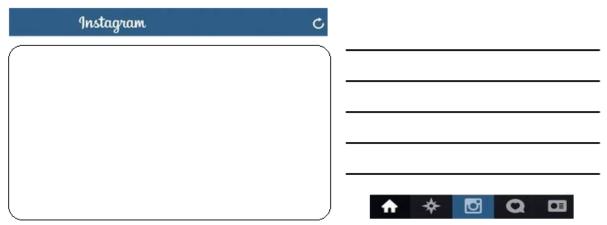
Quantum Mechanical Model Socia	al Media Name:	
Chemistry	Date:	Hour
Essential Question How have the models of the atom changed over	er the course of history?	
Complete the notes below using textbook section sentences as this is a summary of your reading help you answer your question.		
1. In paragraph 1, it states that not all models What is a model and how is the newest model.	~ *	
2. Rutherford's model of the atom is mention unit, draw and label an example of Ruther		
3. Compose a tweet below that summarizes the first section of the article (paragraphs 1-2).		@says:

4. Bohr's model of the atom is mentioned in paragraph 3. Using your "Models of the Atom" notes from last unit, draw and label an example of Bohr's model and explain how it was different from Rutherford's.

5. In paragraph 4, the term **energy levels** is used. Compose an instagram post that includes a 3-8 word definition and a drawing that best depicts the vocabulary term above.

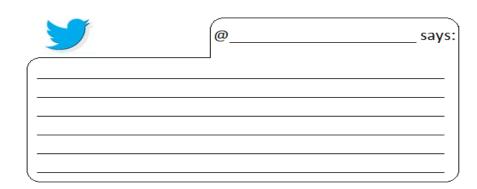


6. In paragraph 5, the term **quantum** is used. Compose an instagram post that includes a 3-8 word definition and a drawing that best depicts the vocabulary term above.



7. What are energy levels compared to AND why does this analogy work? Redraw the 2 images provided in figure 5.3 to help you answer (paragraph 6 and 7; caption 5.3).

8. Compose a tweet that summarizes the second section of the article (paragraphs 3-7).

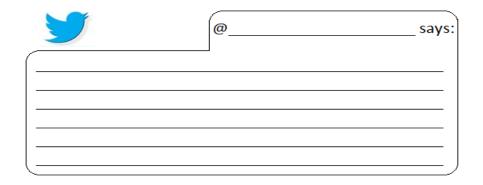


9. In paragraph 8, the term **quantum mechanical model** is used. Compose an instagram post that includes a 3-8 word definition and a drawing that best depicts the vocabulary term above (paragraphs 8 and 9).

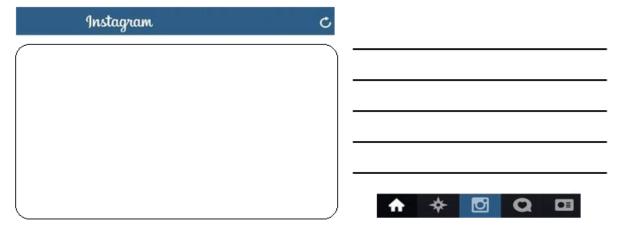


10. In Bohr's model of the atom, electrons raced around the nucleus in specific orbits, like planets around the sun. Look at image 5.4 and paragraph 11. Explain how the analogy of a plane propeller is a better description of electron movement.

11. Compose a tweet that summarizes the third section of the article (paragraphs 8-11).



12. In paragraph 12, the term **atomic orbital** is used. Compose an instagram post that includes a 3-8 word definition and a drawing that best depicts the vocabulary term above.



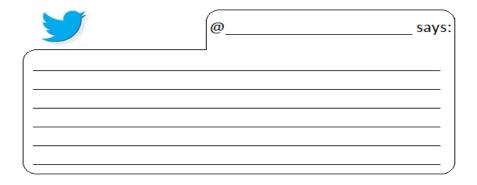
13	What is	a sublevel	(paragraph	13)?
1).	winat is	a subject	(paragraph	1311

14.	. What are the different types of atomic orbitals	and what are their	r shapes (paragraphs	14 and 15; figures	5.5 and
	5.6)?				

15. How many orbitals are in the following sublevels (paragraphs 16-19)? Complete the table.

Principal Energy Level	Number of Sublevels	Names of Sublevel(s)	Number of Orbitals
n = 1			1 orbital
n = 2			
n = 3			
n = 4			

16. Compose a tweet that summarizes the fourth section of the article (paragraphs 12-20).



17. Use the tweeted summaries that you have previously composed to help you create a summary of the entire article.

