



Level	Description
Above & Beyond (4.0)	In addition to score 3.0 performance, the learner demonstrates in-depth inferences and applications that go beyond what is expected from the 3.0 goal.
3.5	
Proficient (3.0)	The student will: Demonstrate an understanding that the electronic structure of atoms is a fundamental driving force for which atoms bond in which proportions to form the stable pieces of the substances of the universe; and that, the type of bonding and the proportions of the atoms of the elements in these pieces determines their shape, and their shape determines their properties.
2.5	
Getting There (2.0)	The student will recognize or recall specific vocabulary and demonstrate partial understanding of proficiency criteria.
1.5	
Beginning (1.0)	Limited success with score 2.0 content and score 3.0 content

Chemistry Proficiency Scale: Bonding, Structure and Properties			
Emerging-1	Developing-2	Proficient-3	Exemplary-4
		Demonstrate an understanding that the electronic structure of atoms is a fundamental driving force for which atoms bond in which proportions to form the stable pieces of the substances of the universe; and that, the type of bonding and the proportions of the atoms of the elements in these pieces determines their shape, and their shape determines their properties.	