

Practice Formal Assessment 3

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

1. Fill in the following chart:

Group	Period	Chemical Symbol
4	13	
		Ni

2. Fill in the following chart:

Element	Valence Shell	# of Valence Electrons
As		
	4	4
	6	5

3. Which one has a smaller atomic radius, Cs or Ni? Explain.


4. What are Valence electrons and Valence Shells? Give Examples.


5. Which one has a larger ionic radius? P or  $P^{3-}$  Explain.


6. Which one has a smaller atomic radius, P or Cl? Explain.


7. Organize the following elements from smallest to largest ionization energy. Bi, N, P, As.

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1. What are Valence electrons and Valence Shells? Give Examples.
