

Non Sibi High School

Andover's Chem 550/580: Advanced Chemistry

Chapter 8, Review Quiz 1

1

Rank each group of atoms and ions from smallest to largest radius:

- N, O, P^{3-} , P
- Ca, K, Mg^{2+} , Mg
- Br^- , Rb^+ , Se^{2-} , Sr^{2+}

2

Rank Ar, Ba, Cl, and Cs from smallest to largest atomic radius and lowest to highest first ionization energy.

3

Explain the huge increase in ionization energy between I_4 and I_5 for carbon.



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