	IONIC	RADII	AND	IONIC	BOND	S
Nаме						Section

1. Complete the following table:

Element	Nuclear Charge	Complete Electron Configura- tion	Total Number of Electrons	Number of Inner Core Electrons	Number of Valence Electrons	Effective Nuclear Charge
Na						
Cl						
Na ⁺						
CI ⁻						
Mg						
Mg ⁺						
Mg ²⁺						
S						
S ²⁻						

- 2. Why is the 2nd ionization energy in Na significantly greater than the first ionization energy for Na? Explain in terms of ENC.
- 3. Why is the 2nd ionization energy in Mg a little larger compared to the first ionization energy for Mg? Explain in terms of ENC.
- 4. Which is larger, a sulfur atom or a sulfide ion? Explain in terms of ENC.