

In Class Assignment 7 Intro to Periodic Properties

Explain the following statement as clearly and as thoroughly as you can. **Use radial probability diagrams, electron configurations, etc. to support your answers whenever possible.**

1. A fluorine atom is smaller than an oxygen atom and smaller than a chlorine atom.
2. Electrons in a 2s orbital have lower energy (are more stable) than electrons in a 2p orbital.
3. Thallium typically forms +1 and +3 ions, while zinc typically forms +2 ions.