In Class Assignment 6 Periodic Properties

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

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1.	Lithium has a higher ionization energy than sodium but a lower ionization energy than beryllium.	
2.	Titanium is smaller than scandium and calcium is smaller than potassium. However, there is a smaller size difference between titanium and scandium than between calcium and potassium.	
3.	The size of Cd ²⁺ is smaller than that of Nb ²⁺ but it is also smaller than Sn ²⁺	