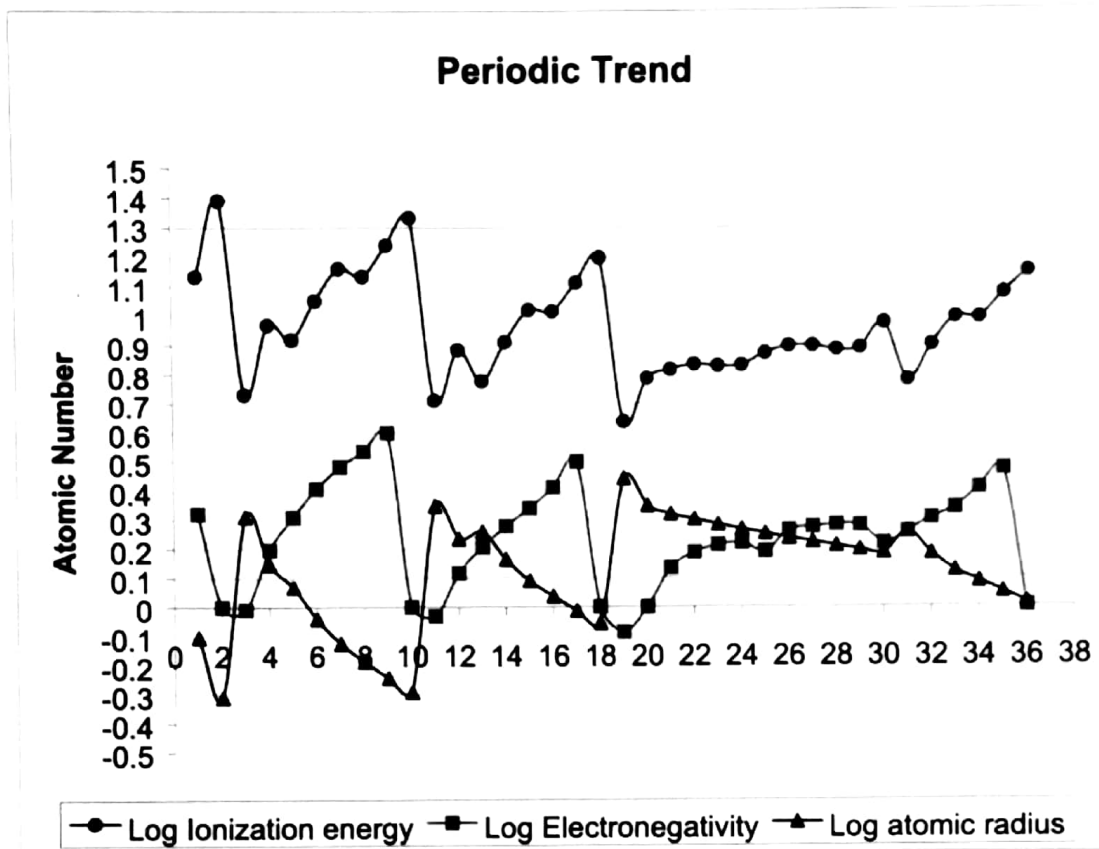




1. What are the general periodic trends for ionization energy? Electronegativity? Atomic Radius?

ionization energy $\Rightarrow \uparrow$; L $\rightarrow$ R + B $\rightarrow$ T Atomic Radius $\Rightarrow \uparrow$; R $\rightarrow$ L, T $\rightarrow$ B
 electronegativity $\Rightarrow \uparrow$; L $\rightarrow$ R + B $\rightarrow$ T

2. What is the relationship between

- Ionization energy and electronegativity - direct
- ionization energy and atomic radius - inverse
- electronegativity and atomic radius - inverse

3. Account for relationships in each of the questions from #2

Both ionization energy and electronegativity are directly related to pull but radius is inversely related to pull

4. Why were logarithm values used instead of the actual values?

Scale the values on one graph and still see trends

5. What is the major underlying concept that explains all trends?

pull $\Rightarrow Z_{eff} + \text{distance}$