

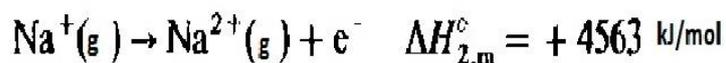
### Question #47902, Chemistry, Physical Chemistry

Why electronegativity generally increases with an element's oxidation state ?

**Answer:**

With increasing oxidation state, the ionization energy increases.

For example:



$$\chi = \frac{1}{2} (J_1^A + \epsilon_A)$$

X-electronegativity , J-ionization energy,  $\epsilon$ - electron affinity