

Electronegativity

1) Rank the following elements in order of decreasing electronegativity:

Li, C, N, O, K, Br, Mg, Cl, I, F,

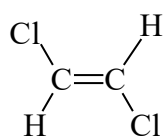
2) Which element is expected to form the most polar bond with carbon?

A Fluorine B Chlorine C Oxygen D Sulphur

3) Sulphur would be expected to form the most polar bond with

A O B Cl C P D F

4) Add δ^+ and δ^- symbols to the following molecule



5) Compare the relative polarity of the N-F and C-F bonds. (which is more polar?) Explain your answer. [3]

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6) Which element in the periodic table would you expect to have the lowest electronegativity value? Why?

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7) Why do group 8 elements, like He, not have an electronegativity value?

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