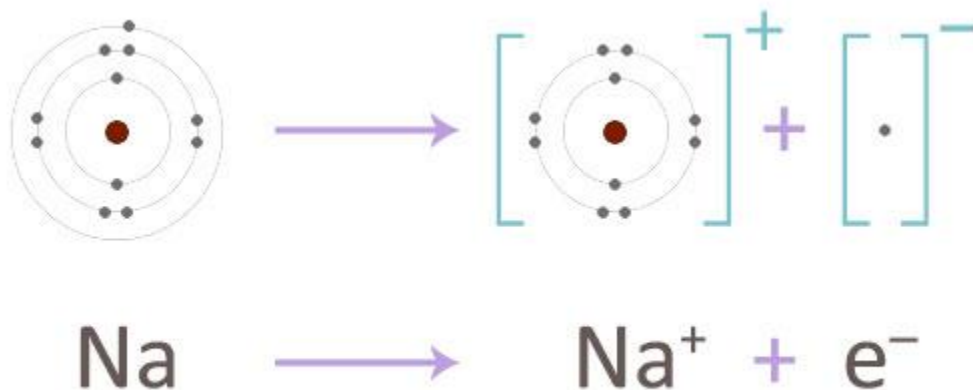


### Question #73299, Chemistry / General Chemistry / Completed

Hi i wanted to know what happens when an atom of an alkali metal reacts?

#### Answer:

The alkali metals are a group of elements lies in the s-block of the periodic table. They have their outermost electron in an s-orbital and readily lose it to form cations with charge +1. So their chemistry is dominated by the loss of their lone valence electron to form the +1 oxidation state, due to the ease of ionising this electron and the very high second ionisation energy. Like this for sodium:



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