



**13.** Name the sub-atomic particle whose charge is :

(a)  $+1$

(b)  $-1$

(c)  $0$ .

10. (a) Name an element which does not contain neutron.

(b) If an atom contains one electron and one proton, will it carry any charge or not ?



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**15.** On the basis of Rutherford's model of an atom, which subatomic particle is present in the nucleus of an atom ?

19. In the figure given alongside :

(a) Name the shells denoted by A, B and C. Which shell has least energy ?

(b) Name X and state the charge on it.

