

OYO

Module 13

corrected

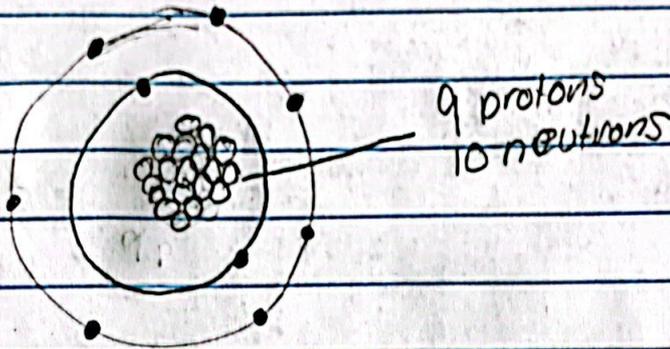
13.1 11 protons, 11 electrons, and 12 neutrons.

13.2 Oxygen-16 and it will have 18 electrons.

corrected

13.3 (a) and (c) are isotopes.

13.4



corrected

13.5 The largest orbit will be the fourth Bohr orbit, and there will be 27 electrons in it.

13.6 The range of this force is longer than that of the nuclear force but shorter than the electromagnetic force.

corrected

13.7 900 y^m

corrected

13.8 ^{237}NP

13.9 Alpha and beta particles.

13.10 5 grams