1ère année Master English Exam correction - 2022

Q1: Title to the text :→ The Nucleus _ Atomic Number, Atomic Mass. And ISOTOPS. ③

Q2: Gaps filling :→ ① → Atomic number, ② Atomic Mass, ③ Isotops
④ → The three isotops of hydrogene

Q3: (i) → Atomic number → is the nb of protons in the nucleus of one atom of the element.
(ii) → The atomic mass → is the mass of one atom of the element compared to the mass of one atom of hydrogen.
(iii) → Isotopes → are atoms of the same element with ≠ atomic mass (owing ≠ nb of neutrons)

Q4: Hydrogen is the element with the fewest neutrons in it's atoms ; 99,9%, of hydrogene atoms have no neutrons at all.

Q5:

Z	Element
1	H
6	C

Z	Element
8	⊙
14	silicon

Z	Element
79	gold

Q6: If you substruct the atomic nb Z from the atomic mass A, you will get the nb of neutrons in the nucleus.

Q7: If you substruct $Z_{Zn} = 30$, $A_{Zn} = 65,4$, $A_{Zn} - Z_{Zn} = 35,4$ should be the nb of neutrons. However you can't have .4 of a neutron! therefore Zinc must have more than one common isotope and 65.4 must be the average atomic mass.

Q8: a → present perfect
b → " " "
c → " " "