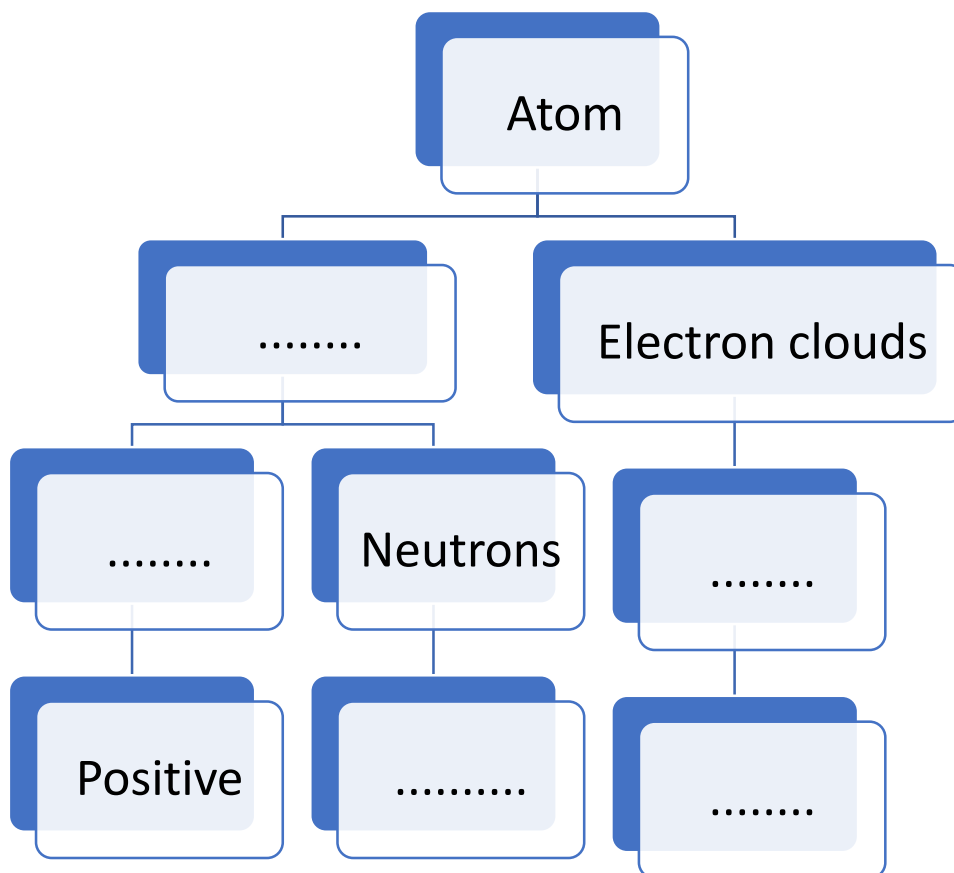




2. An atom sodium (Na) has 11 positively charged particles and 12 chargeless particles.

- Indicate the number of protons and neutrons.
- Deduce the number of electrons.
- Find the mass number and atomic number.
- Write the atomic representation of sodium atom.

3. Complete the following concept map:



4. Given the following atoms: ${}_{7}^{14}\text{N}$ and ${}_{13}^{23}\text{Al}$

Developmental Action Without Borders

NABA'A

Reg: 104\AD



جمعية عمل تنموي بلا حدود

نبع

علم وخبر: 104/أد

- a) Indicate the mass number and the atomic number for each of the above atoms.
- b) Determine the compositions for each of the above atoms.