

# Atoms and elements

---

a) An atom is made up of ...

- ions, protons, and electrons.
- neutrons, electrons, and molecules.
- molecules, neutrons, and ions.
- electrons, neutrons, and protons.

b) Which of the following substances are all elements?

- Carbon dioxide, iron, salt.
- Water, air, oxygen.
- Iron, sulfur, oxygen.
- Air, oxygen, nitrogen.

c) The element carbon has an atomic number of 6. This number refers to ...

- the number of protons.
- how reactive the atom is.
- the number of protons and neutrons.
- how heavy an atom of carbon is.