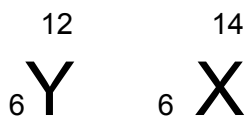


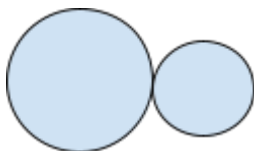
## Questions for chap 8

- 1 What is an atom? Elaborate a little more.
- 2 What is the largest atom that we know of?
- 3 How many subatomic particles are there in an atom and what are they?
- 4 What are their relative charges
- 5 What is their relative mass?
- 6 What is their position in the atom?
- 7 What is an atomic number?
- 8 How do we find the number of nucleus in an atom?
- 9 Which two numbers of subatomic particles are equal to each other? ( ) = ( )
- 10 The mass of an atom is mainly contributed by which two subatomic particles? Why is the mass of the other subatomic particle not considered negligible?
- 10 How do you find the number of neutrons via the periodic table for an element?
- 11 What is a molecule? Elaborate a little more.
- 12 What is the molecule of compound and molecule of element?
- 13 How do chemists assign the chemical number to an unknown element?
- 14 Explain the importance of proton number in an atom.
- 15 Explain the main difference, by giving appropriate examples of each, between an atom and a molecule.
- 16 Explain the main difference, by giving appropriate examples of each, between an element and a compound. (based on atom)
- 17 What do you mean by neutral?
- 18 State the pros and cons about how atoms helped mankind.
- 19 Which of the two statements is correct?

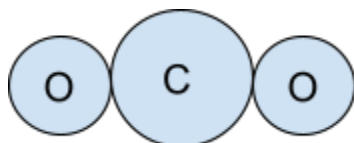


- a) They are the same element with different number of protons.  
b) They are different elements with the same protons.

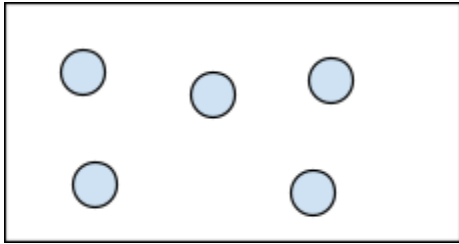
- 20 Is this an element or a compound?



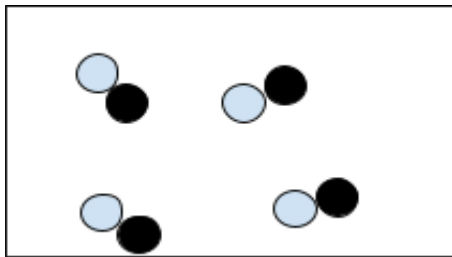
- 21 What is the number of each type of atom and the total number of atoms in the molecule below?



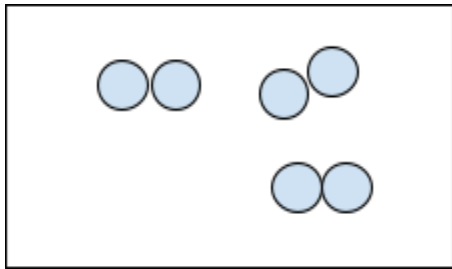
22 State whether each of the diagrams below represent atoms/molecules of elements/compounds?



of



of



of