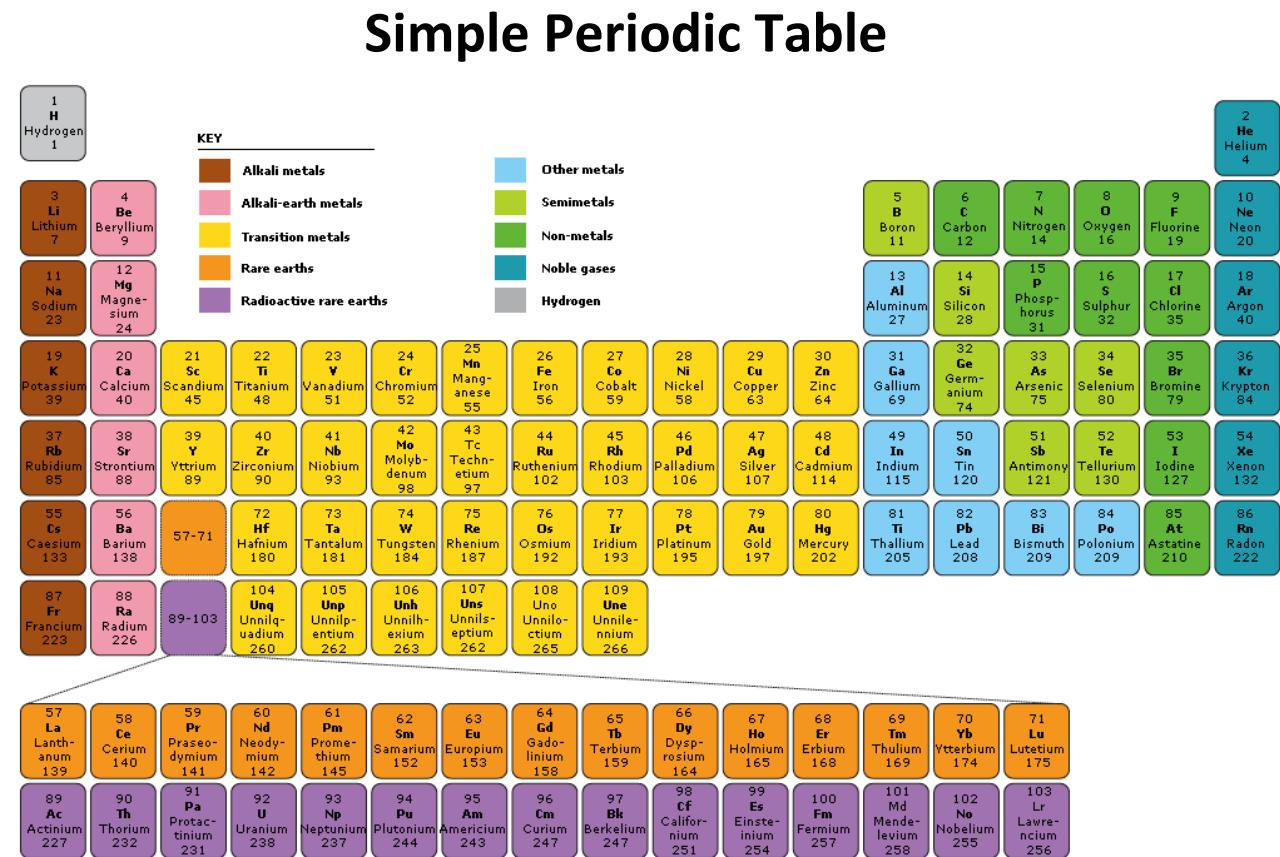


# Atomic Structure

Name .....

Symbol	Atomic Number	Mass Number	Protons	Neutrons	Electrons
H					
He					
B					
O					
F					
Li <sup>+</sup>					
Br <sup>-</sup>					
Mg <sup>2+</sup>					
S <sup>2-</sup>					
C		12			
C		14			
Cl		35			
Cl		37			

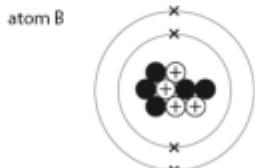
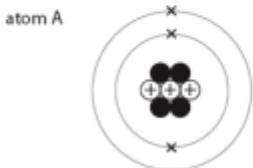


# Isotopes

H

- 1 a Copy and complete the table using the information in the diagram below.

Atom	Number of protons	Number of neutrons	Number of electrons
A			
B			



- b What is the difference between these two atoms?

- c How do you know that the diagram shows two different elements?

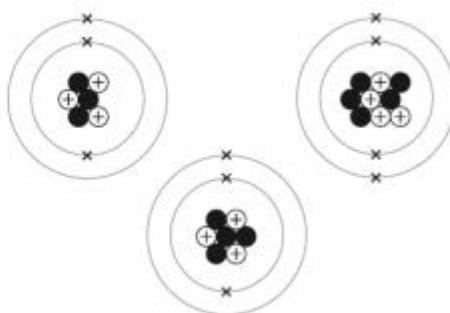
- d Given that the symbol for atom A is Li, and the symbol for atom B is Be, write the symbols in the form  ${}^m_pX$ .

- c How do you know that the diagram shows the same element?

- d Given that the symbol for both atoms is B, write the symbols in the form  ${}^m_pX$ .

- 3 The diagram below shows several atoms.

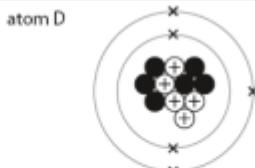
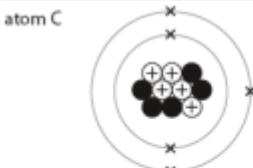
- a How many elements are shown? Write the chemical symbol for each of them.



- b Write each atom in the form  ${}^m_pX$ .

- 2 a Copy and complete the table using the information in the diagram below.

Atom	Number of protons	Number of neutrons	Number of electrons
C			
D			



- b What is different between these two atoms?

- c Which atom has more than one isotope shown?