

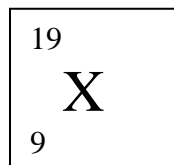


CHAPTER 2: THE STRUCTURE OF THE ATOM



Questions

- 1 The diagram below represents an atom *X*.



What is the correct electronic configurations of *X*?

- A** 2.7 **B** 2.8.7
C 2.8.1 **D** 2.8.8.1
- 2 An element *P* contains 23 protons, 25 neutrons and 23 electrons. Which of the following is the correct nucleon number of element *P*?
- A** 23 **B** 46
C 48 **D** 52
- 3 The table below shows the proton number and nucleon number of atoms *P* and *Q*.

Atom	Proton number	Nucleon number
<i>P</i>	15	32
<i>Q</i>	16	32

From the table above, we can conclude that *P* and *Q*...

- I have the same number of neutrons.
 II do not have the same number of valence electrons.
 III do not have the same number of electrons.
 IV have the same number of electrons.
- A** I and II only
B I and III only
C II and III only
D I, II and III