

0	1
---	---

The diagram shows an atom of carbon.

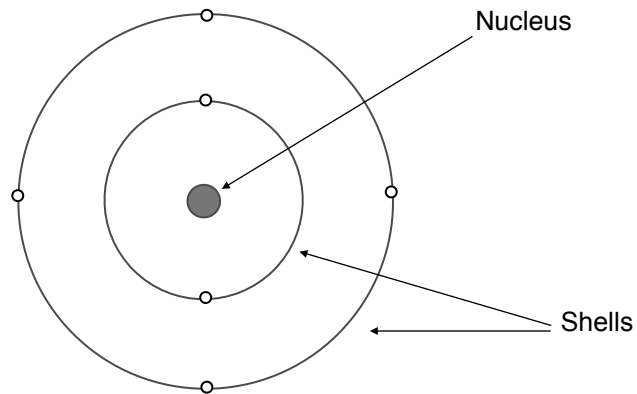


Table 1 shows the sub atomic particles that are present in an atom of carbon.

Table 1

Particle	Location	Charge
Electron		
Neutron	Nucleus	
Proton		+1

0	1	.	1
---	---	---	---

Complete the table.

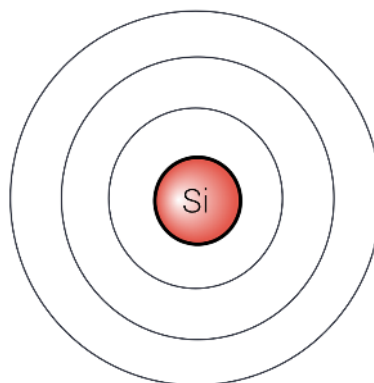
[4 marks]

0	2	.	1
---	---	---	---

A silicon atom has 14 electrons.

Draw the electronic structure of a silicon atom on the template below:
Complete the diagram below.

[1 mark]



0	2	.	2
---	---	---	---

Write out the electronic structure of silicon atom in numbers:

[1 mark]

.....

(Total 6 marks)

End