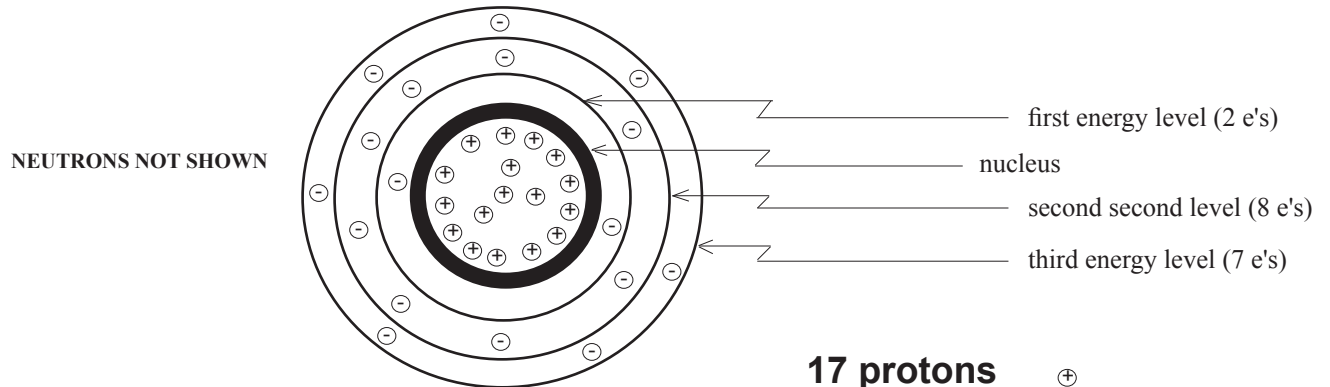


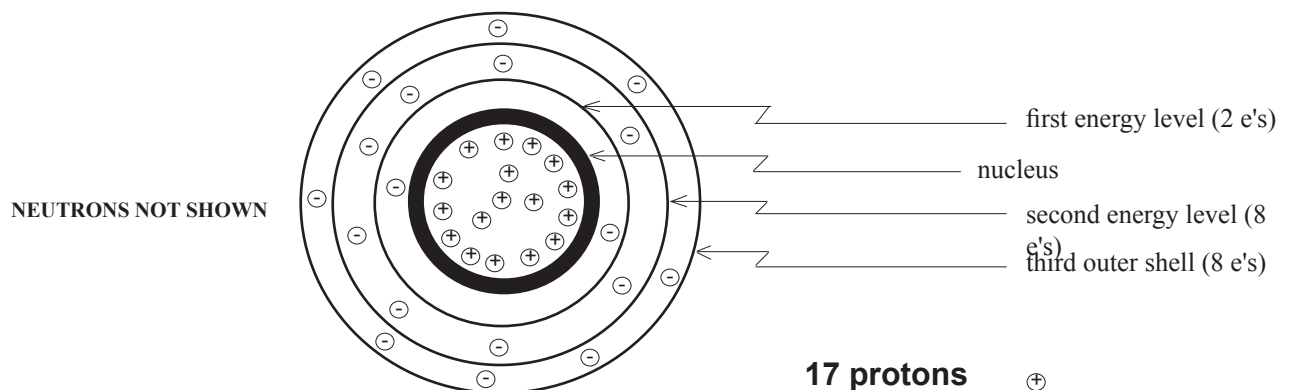
# CHLORINE ATOM



17 protons  $\oplus$   
17 electrons  $\ominus$

**NO ELECTRICAL  
CHARGE**

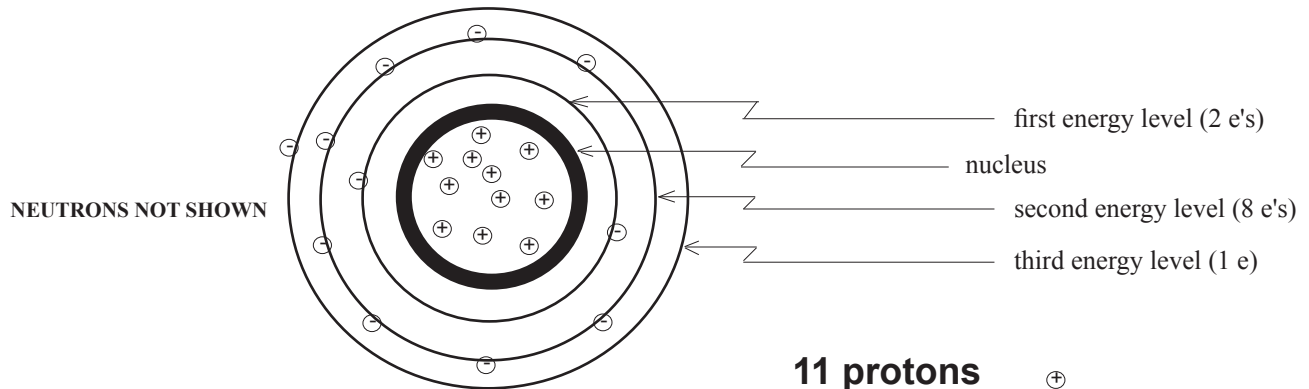
# CHLORIDE ION



17 protons  $\oplus$   
18 electrons  $\ominus$

**NET ELECTRICAL  
CHARGE = -1**

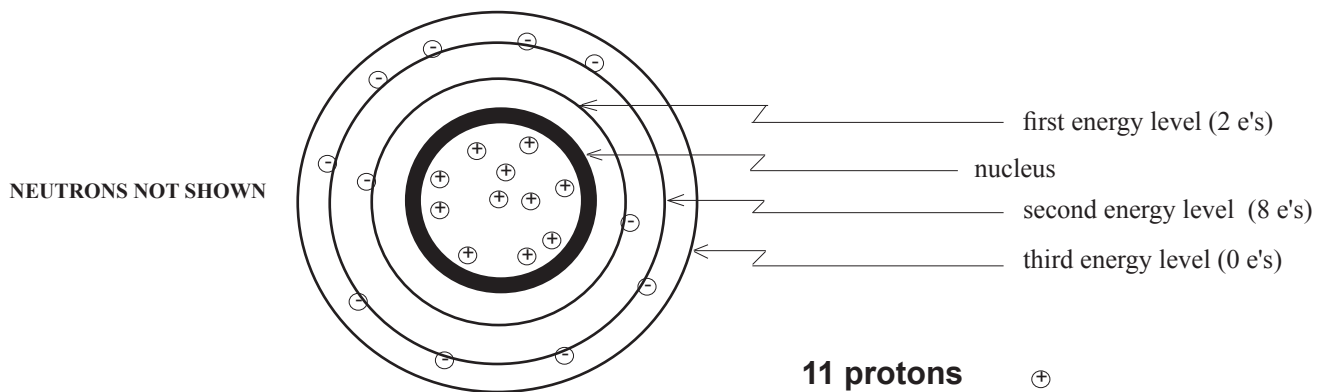
# SODIUM ATOM



**11 protons** ⊕  
**11 electrons** ⊖

**NET ELECTRICAL  
CHARGE = 0**

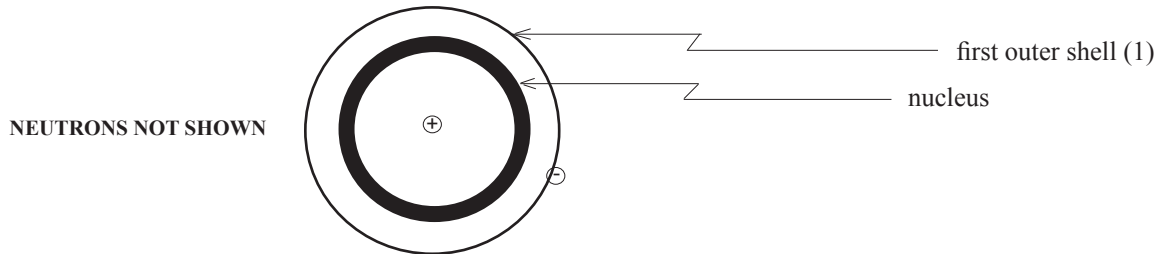
# SODIUM ION



**11 protons** ⊕  
**10 electrons** ⊖

**NET ELECTRICAL  
CHARGE = +1**

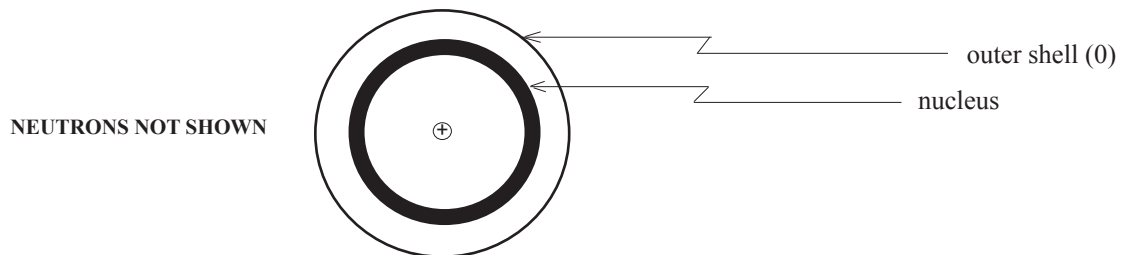
# HYDROGEN ATOM



1 proton  $\oplus$   
1 electron  $\ominus$

**NET ELECTRICAL  
CHARGE = 0**

# HYDROGEN ION



1 proton  $\oplus$   
0 electrons  $\ominus$

**NET ELECTRICAL  
CHARGE = +1**