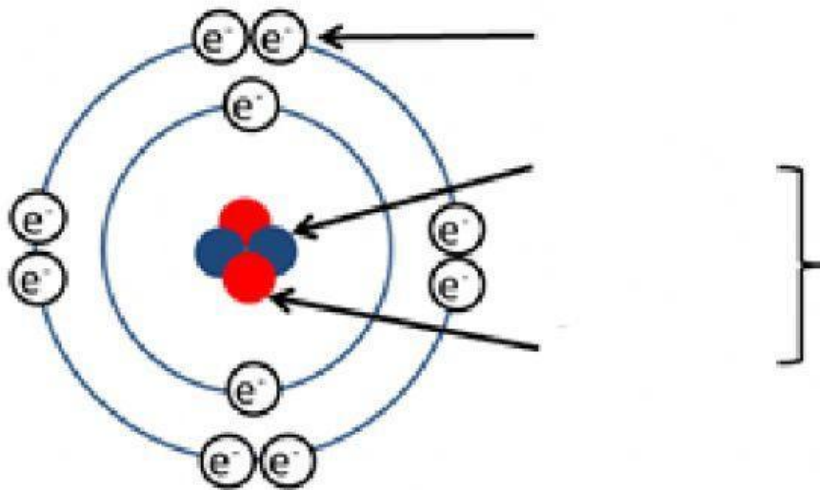


### Q.1 – Label the parts of an atom



### Q.2 – Label the period and group of the periodic table

**Periodic Table of the Elements**

|                               |                                |                               |                                     |                                |                                  |                                 |                                 |                                  |                                    |                                   |                                   |                                |                                 |                                 |                                   |                                  |                                 |
|-------------------------------|--------------------------------|-------------------------------|-------------------------------------|--------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|------------------------------------|-----------------------------------|-----------------------------------|--------------------------------|---------------------------------|---------------------------------|-----------------------------------|----------------------------------|---------------------------------|
| 1<br>H<br>Hydrogen<br>1.01    |                                |                               |                                     |                                |                                  |                                 |                                 |                                  |                                    |                                   |                                   |                                |                                 |                                 |                                   |                                  | 18<br>He<br>Helium<br>4.00      |
| 3<br>Li<br>Lithium<br>6.94    | 4<br>Be<br>Beryllium<br>9.01   |                               |                                     |                                |                                  |                                 |                                 |                                  |                                    |                                   |                                   | 5<br>B<br>Boron<br>10.81       | 6<br>C<br>Carbon<br>12.01       | 7<br>N<br>Nitrogen<br>14.01     | 8<br>O<br>Oxygen<br>16.00         | 9<br>F<br>Fluorine<br>19.00      | 10<br>Ne<br>Neon<br>20.18       |
| 11<br>Na<br>Sodium<br>22.99   | 12<br>Mg<br>Magnesium<br>24.31 |                               |                                     |                                |                                  |                                 |                                 |                                  |                                    |                                   |                                   | 13<br>Al<br>Aluminum<br>26.98  | 14<br>Si<br>Silicon<br>28.09    | 15<br>P<br>Phosphorus<br>30.97  | 16<br>S<br>Sulfur<br>32.06        | 17<br>Cl<br>Chlorine<br>35.45    | 18<br>Ar<br>Argon<br>39.95      |
| 19<br>K<br>Potassium<br>39.10 | 20<br>Ca<br>Calcium<br>40.08   | 21<br>Sc<br>Scandium<br>44.96 | 22<br>Ti<br>Titanium<br>47.88       | 23<br>V<br>Vanadium<br>50.94   | 24<br>Cr<br>Chromium<br>51.99    | 25<br>Mn<br>Manganese<br>54.94  | 26<br>Fe<br>Iron<br>55.85       | 27<br>Co<br>Cobalt<br>58.93      | 28<br>Ni<br>Nickel<br>58.69        | 29<br>Cu<br>Copper<br>63.55       | 30<br>Zn<br>Zinc<br>65.38         | 31<br>Ga<br>Gallium<br>69.72   | 32<br>Ge<br>Germanium<br>72.63  | 33<br>As<br>Arsenic<br>74.92    | 34<br>Se<br>Selenium<br>78.97     | 35<br>Br<br>Bromine<br>79.90     | 36<br>Kr<br>Krypton<br>84.90    |
| 37<br>Rb<br>Rubidium<br>85.47 | 38<br>Sr<br>Strontium<br>87.62 | 39<br>Y<br>Yttrium<br>88.91   | 40<br>Zr<br>Zirconium<br>91.22      | 41<br>Nb<br>Niobium<br>92.91   | 42<br>Mo<br>Molybdenum<br>95.95  | 43<br>Tc<br>Technetium<br>98.91 | 44<br>Ru<br>Ruthenium<br>101.07 | 45<br>Rh<br>Rhodium<br>102.91    | 46<br>Pd<br>Palladium<br>106.42    | 47<br>Ag<br>Silver<br>107.87      | 48<br>Cd<br>Cadmium<br>112.41     | 49<br>In<br>Indium<br>114.82   | 50<br>Sn<br>Tin<br>118.71       | 51<br>Sb<br>Antimony<br>121.76  | 52<br>Te<br>Tellurium<br>127.6    | 53<br>I<br>Iodine<br>126.90      | 54<br>Xe<br>Xenon<br>131.29     |
| 55<br>Cs<br>Cesium<br>132.91  | 56<br>Ba<br>Barium<br>137.33   | 57-71<br>Lanthanides          | 72<br>Hf<br>Hafnium<br>178.49       | 73<br>Ta<br>Tantalum<br>180.95 | 74<br>W<br>Tungsten<br>183.85    | 75<br>Re<br>Rhenium<br>186.21   | 76<br>Os<br>Osmium<br>190.23    | 77<br>Ir<br>Iridium<br>192.22    | 78<br>Pt<br>Platinum<br>195.08     | 79<br>Au<br>Gold<br>196.97        | 80<br>Hg<br>Mercury<br>200.59     | 81<br>Tl<br>Thallium<br>204.38 | 82<br>Pb<br>Lead<br>207.20      | 83<br>Bi<br>Bismuth<br>208.98   | 84<br>Po<br>Polonium<br>[209]     | 85<br>At<br>Astatine<br>[210]    | 86<br>Rn<br>Radon<br>[222]      |
| 87<br>Fr<br>Francium<br>[223] | 88<br>Ra<br>Radium<br>[226]    | 89-103<br>Actinides           | 104<br>Rf<br>Rutherfordium<br>[261] | 105<br>Db<br>Dubnium<br>[262]  | 106<br>Sg<br>Seaborgium<br>[266] | 107<br>Bh<br>Bohrium<br>[264]   | 108<br>Hs<br>Hassium<br>[269]   | 109<br>Mt<br>Meitnerium<br>[278] | 110<br>Ds<br>Darmstadtium<br>[281] | 111<br>Rg<br>Roentgenium<br>[280] | 112<br>Cn<br>Copernicium<br>[285] | 113<br>Nh<br>Nihonium<br>[286] | 114<br>Fl<br>Flerovium<br>[289] | 115<br>Mc<br>Moscovium<br>[289] | 116<br>Lv<br>Livermorium<br>[293] | 117<br>Ts<br>Tennessine<br>[294] | 118<br>Og<br>Oganesson<br>[294] |

### Q.3 – Look at the element key below and answer the questions:

A.

8

**O**

Oxygen

15.999

Name of the element:

Symbol:

Atomic number:

Number of protons:

Number of electrons:

B.

12

**Mg**

Magnesium

24.305

Name of the element:

Symbol:

Atomic number:

Number of protons:

Number of electrons: