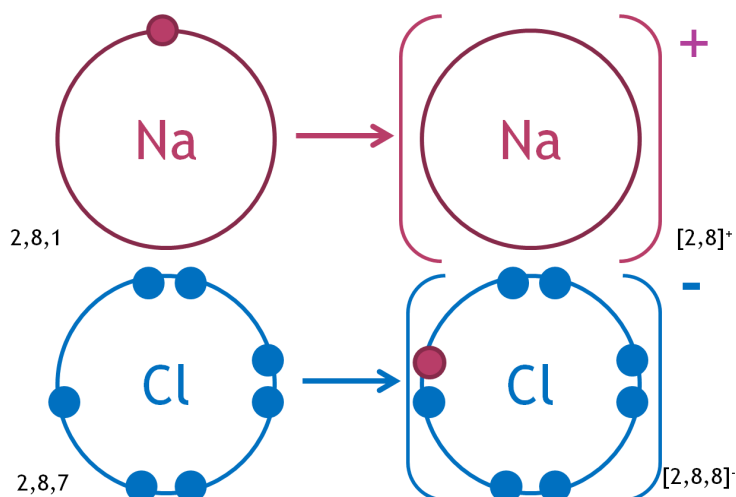


IONS AND IONIC BONDS

HOW DO ATOMS FORM IONS?



"THE SODIUM ATOM HAS LOST ONE ELECTRON TO FORM A POSITIVE SODIUM ION"

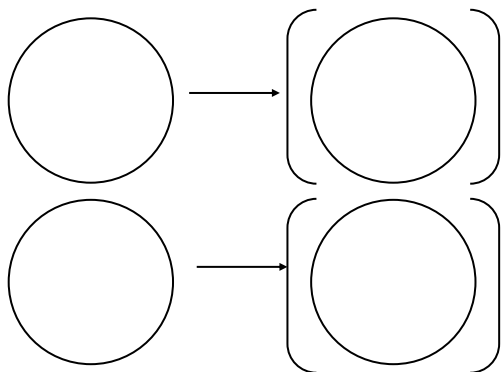
"THE CHLORINE ATOM HAS GAINED ONE ELECTRON TO FORM A NEGATIVE CHLORIDE ION"

*COMPLETE THE FOLLOWING BY CROSSING OUT THE WRONG ANSWER:

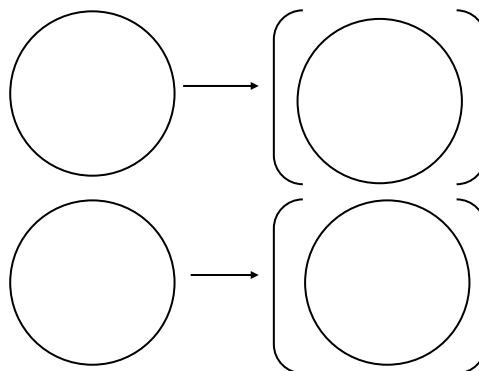
- A POSITIVELY CHARGED ION FORMS WHEN A METAL/NON-METAL ATOM LOSES/ GAINS AN ELECTRON.
- A NEGATIVELY CHARGED ION FORMS WHEN A METAL/NON-METAL ATOM LOSES/ GAINS AN ELECTRON.

*DRAW DIAGRAMS TO SHOW THE IONIC BONDING IN:

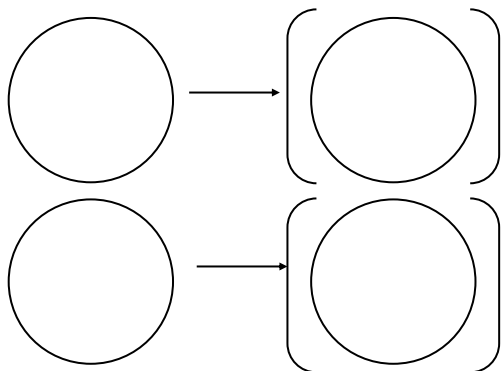
KBr



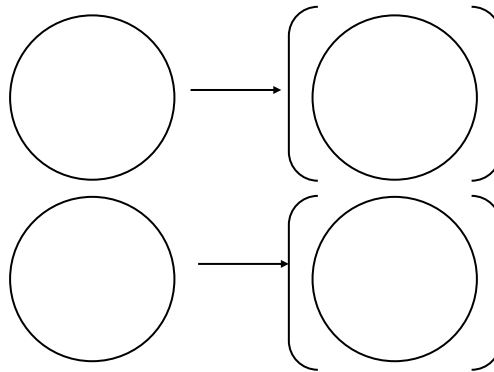
LiF



MgO



CaS



*COMPLETE THE FOLLOWING SENTENCE:

AN IONIC BOND IS.....

*EXTENSION TASK:

ON THE DIAGRAMS ABOVE, WRITE THE ELECTRON CONFIGURATIONS FOR THE ATOMS AND THE IONS.