**Grade 4-5: Represent ionic bonding using a dot and cross diagram**

1. Draw the electronic arrangement for F and Li, using the template to help you.

F Li

1. Draw an arrow on your diagram to show which electron is moving and where it is going.
2. Using the template below draw the ions for F- and Li+ (which when drawn together represent an ionic bond).

F- Li+

1. Put the charge just outside either bracket, at the top right hand corner for each ion.
2. Draw the electronic arrangement for Cl and Li, using the template to help you.

Cl Li

1. Draw an arrow on your diagram to show which electron is moving and where it is going.
2. Using the template below draw the ions for Cl- and Li+ (which when drawn together represent an ionic bond).

Cl- Li+

1. Put the charge just outside either bracket, at the top right hand corner for each ion.
2. Draw the electronic arrangement for F and K, using the template to help you.

F K

1. Draw an arrow on your diagram to show which electron is moving and where it is going.
2. Using the template below draw the ions for F- and K+ (which when drawn together represent an ionic bond).

F- K+

1. Put the charge just outside either bracket, at the top right hand corner for each ion.