

Score / 10

**In this example**

Mg is \_\_\_\_\_\_\_\_\_\_.

O is \_\_\_\_\_\_\_\_\_\_\_.

Mg is a \_\_\_\_\_\_l

O is a \_\_\_\_\_-metal.

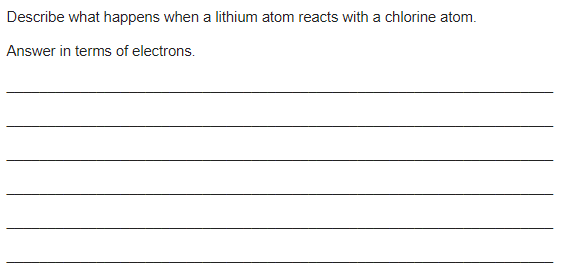
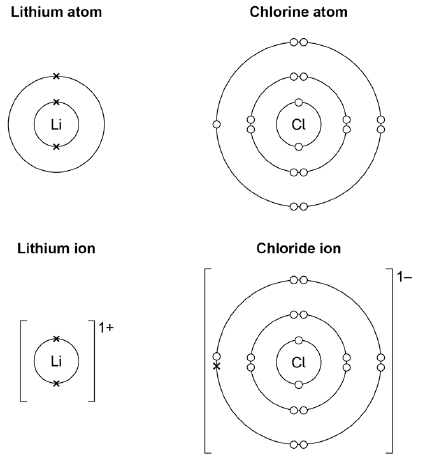
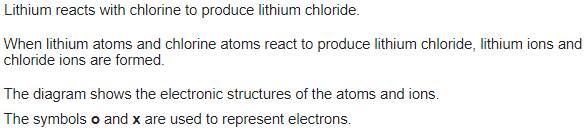
Mg has \_\_\_ electrons in its outer shell.

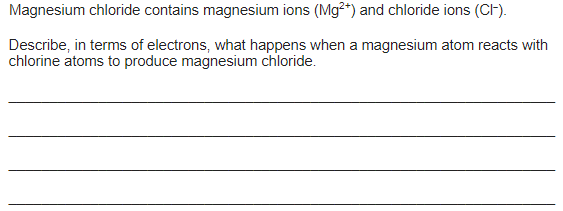
O has \_\_\_ electrons in its outer shell.

Mg will give up or t\_\_\_\_\_\_\_\_ its electron to \_\_\_\_\_\_.

**On the top diagram…**

1. What do the 2 arrows show is moving?
2. On the bottom diagram what has happened to the 2 electrons from magnesium?
3. Why do you think that Mg has a 2+ charge and O has a 2- charge?





Extension:

