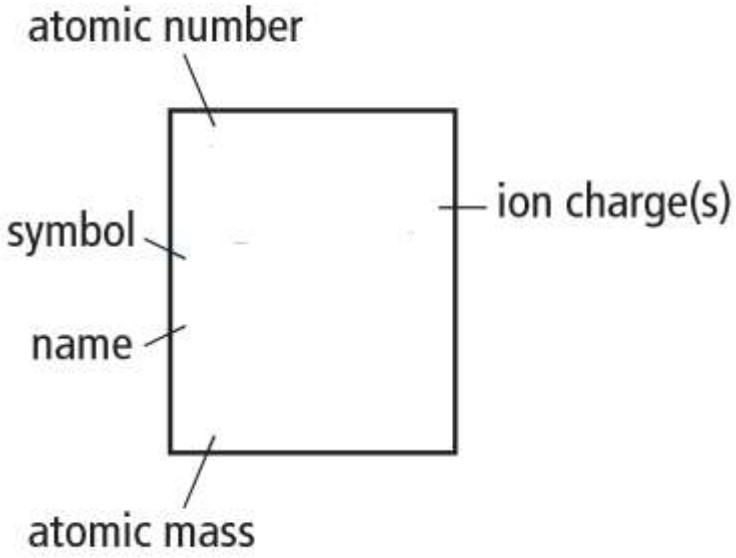
Getting to know your chemical families

Alkali Metals (Group 1 excluding hydrogen)

Pick an element in group 1 and fill in the box



Post a picture of the Alkali metal element that you chose here

Watch a video on the Alkali metal element that you chose and write something(s) interesting here

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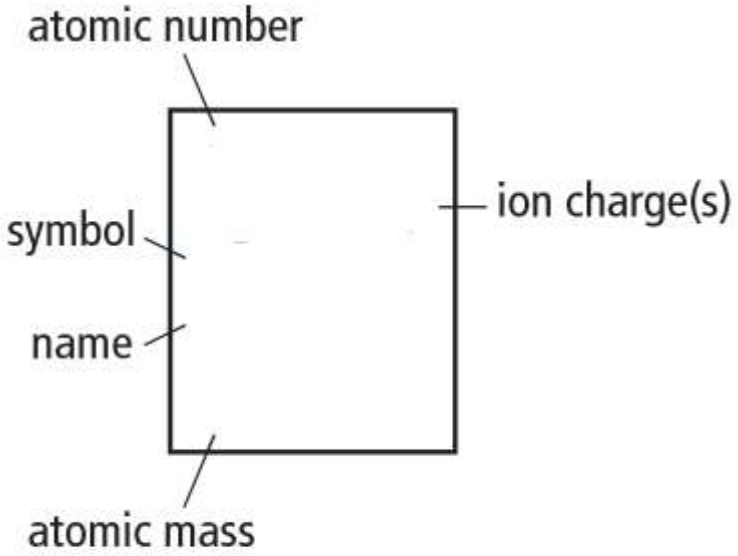
Alkali Metals – Fill in the blanks

All the ____ _____ are highly reactive, and reactivity _____ as you go down the group. Alkali metals react with both _____ and _____. They have _____ melting points, all of which are below 200°C. The alkali metals are soft and can be cut with a knife. _____ is softer and more reactive than lithium.

Alkaline Metals (Group 2)

Pick an element from group 2 and fill in the box



Post a picture of the alkaline metal element that you chose here

Watch a video on the alkaline metal element that you chose and write something(s) interesting here

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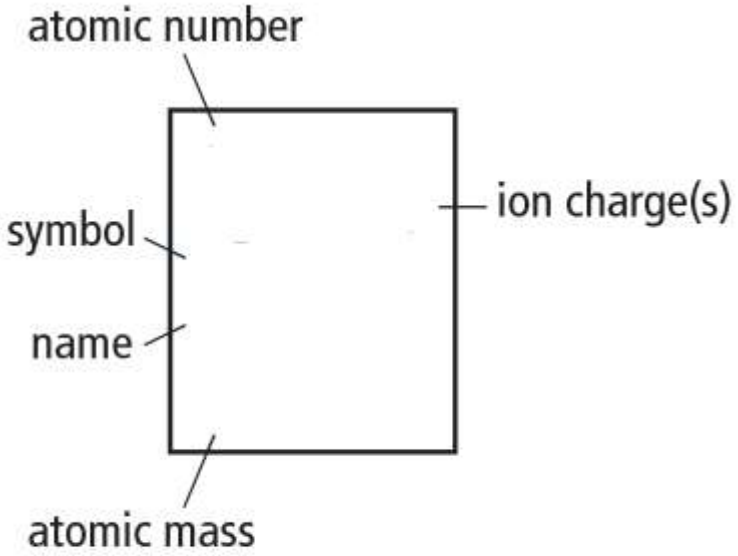
Alkaline Metals – Fill in the blanks

_____ _____ metals are _____ reactive than the alkali metals but will burn in air if heated. They produce _____ flames and are used in _____. For example, the classic red colour of fireworks is caused by strontium. Alkaline earth metals will also react with water but not as vigorously as alkali metals do. _____ reacts more quickly than magnesium

Halogens (Group 17)

Pick an element from group 17 and fill in the box



Post a picture of the halogens element that you chose here

Watch a video on the halogens element that you chose and write something(s) interesting here

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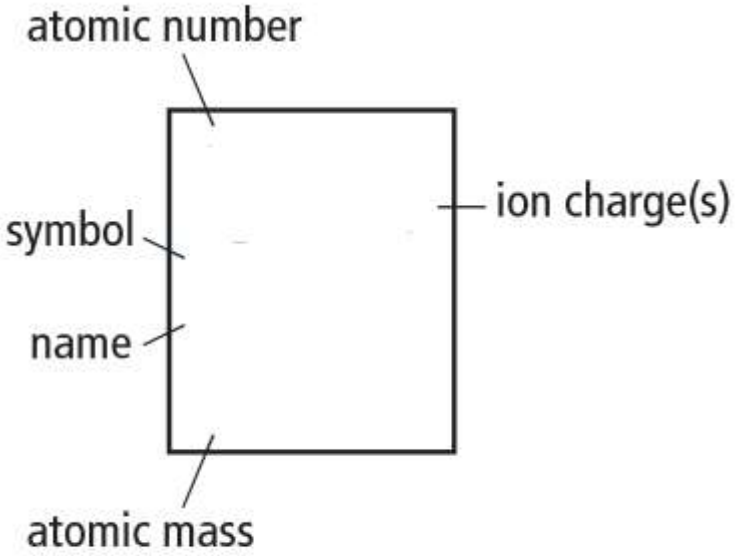
Halogens – Fill in the blanks

The _____ are non-metals and are highly _____. Only fluorine and chlorine are gases at _____ temperature. Bromine is a _____ and iodine is a solid. Fluorine is the _____ reactive, and iodine is the _____. Astatine is incredibly rare. No one has ever collected enough to determine its _____ properties

Noble Gases (Group 18)

Pick an element from group 18 and fill in the box



Post a picture of the noble gases element that you chose here

Watch a video on the noble gases element that you chose and write something(s) interesting here

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Noble gases – Fill in the blanks

The noble gases are the most _____ and _____ elements in the periodic table. At room temperature, they are colourless, odourless _____. Some of the gases, such as argon and neon, are used in _____ _____. Some, such as neon, glow in distinctive colours. You may know that helium is _____ than air, and that is why helium balloons _____ _____ out of reach when released