

# Twenty Elements

Dear Colleagues,

Thank you for being prepared to pilot these resources. Please email Heather ([heather.millington@medway.gov.uk](mailto:heather.millington@medway.gov.uk)), Alice ([alice.adesina@medway.gov.uk](mailto:alice.adesina@medway.gov.uk)) or Stuart ([stuart.scott@collaborativelearning.org](mailto:stuart.scott@collaborativelearning.org)) with your suggestions and comments.

We hope we will see you at ASE conference in January.

Alice, Heather and Stuart

Webaddress: [www.collaborativelearning.org/twentyelements.pdf](http://www.collaborativelearning.org/twentyelements.pdf)

Last updated 15th September 2010

# Twenty Elements

Dear Colleagues,

There are three versions of this activity - the pages are labelled with Version 1, 2 or 3

1. Cards in colour
2. Plain cards for you to print on coloured cards if you wish
3. Plain cards laid out so you can print them back to back

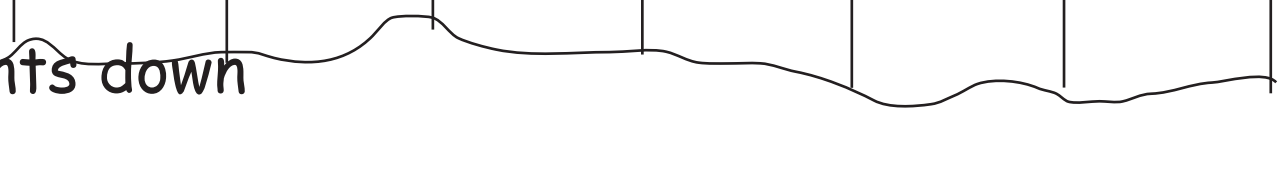
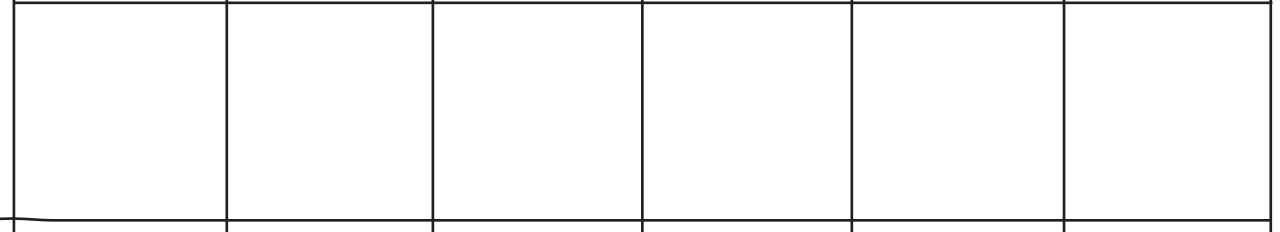
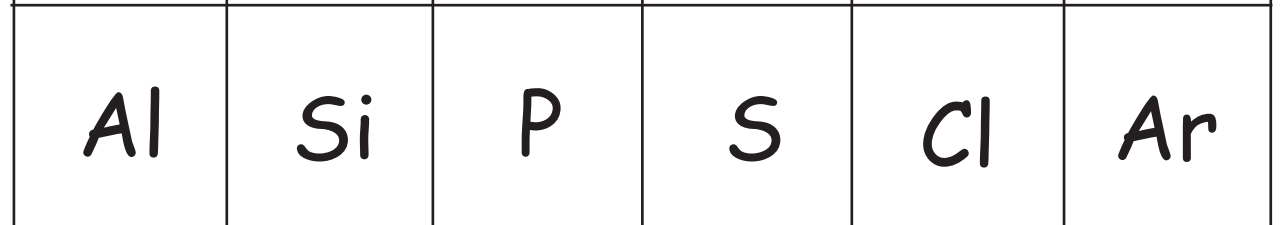
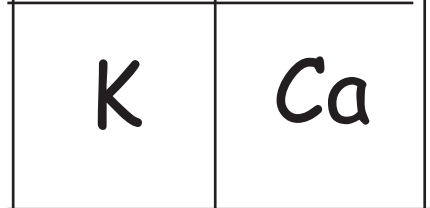
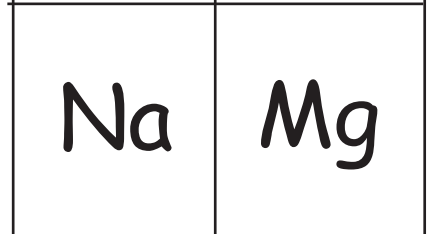
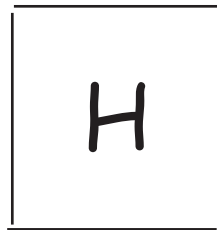
Name of element - symbol

Symbol and representation of electrons

Below is version 1. Versions 2 and three are on

<http://www.collaborativelearning.org/twentyelementsplain.pdf>

# Twenty Elements

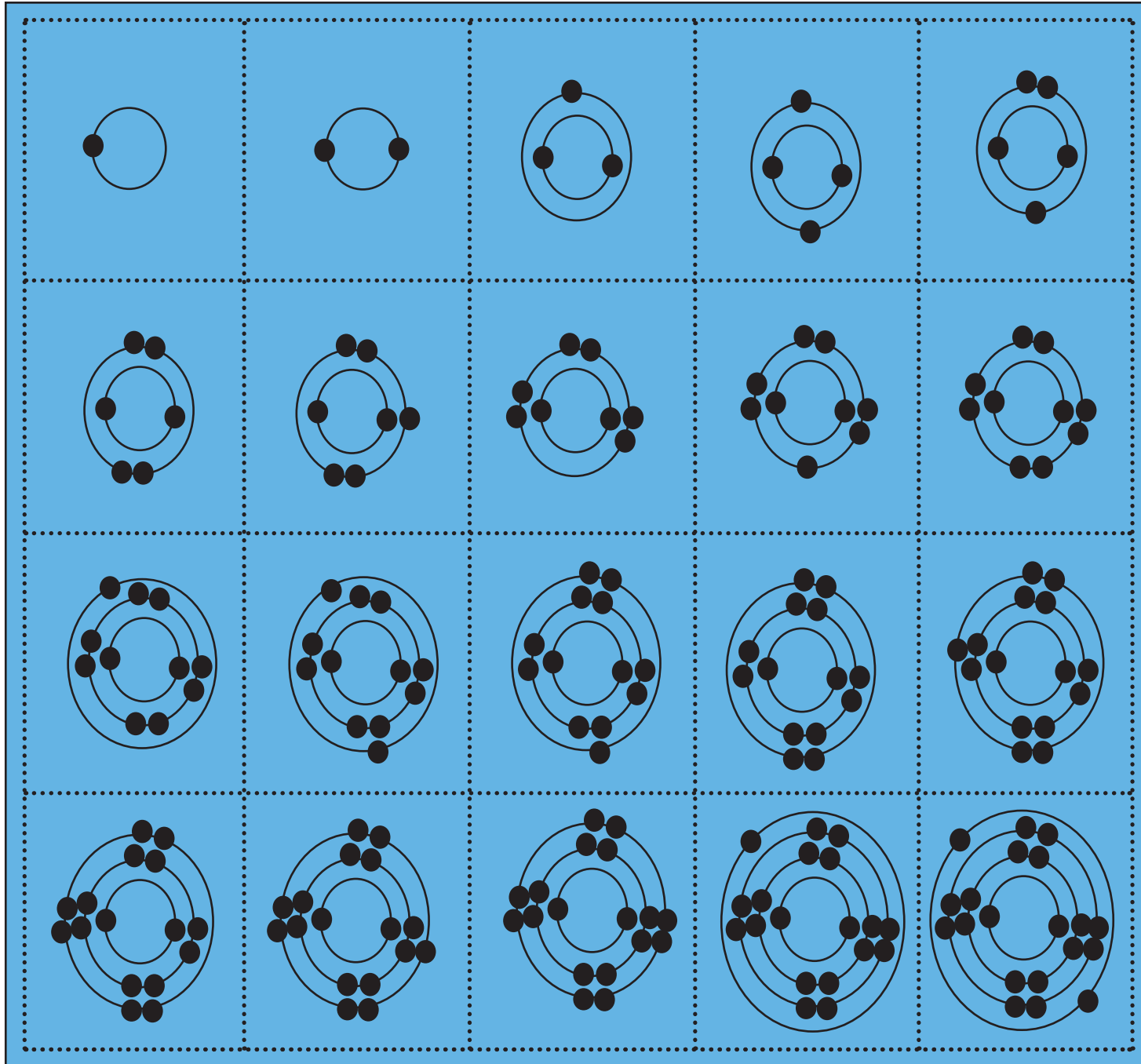


Lots more elements down here!

H	He	Li	Be	B
C	N	O	F	Ne
Na	Mg	Al	Si	P
S	Cl	Ar	K	Ca

A 4x5 grid of chemical elements is displayed on a light green background. The grid is defined by dotted lines. The elements are arranged as follows:

Hydrogen	Helium	Lithium	Boron	Beryllium
Carbon	Nitrogen	Oxygen	Fluorine	Neon
Sodium	Magnesium	Aluminium	Silicon	Phosphorous
Sulphur	Chlorine	Argon	Potassium	Calcium



1	2	2,1	2,2	2,3
2,4	2,5	2,6	2,7	2,8
2,8,1	2,8,2	2,8,3	2,8,4	2,8,5
2,8,6	2,8,7	2,8,8	2,8,8,1	2,8,8,2

H	He	Li	Be	B
1	2	2,1	2,2	2,3
C	N	O	F	Ne
2,4	2,5	2,6	2,7	2,8
Na	Mg	Al	Si	P
2,8,1	2,8,2	2,8,3	2,8,4	2,8,5
S	Cl	Ar	K	Ca
2,8,6	2,8,7	2,8,8	2,8,8,1	2,8,8,2





Hydrogen



Helium



Lithium



Boron



Beryllium



Carbon



Nitrogen



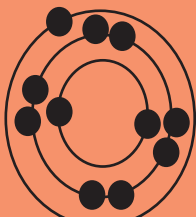
Oxygen



Fluorine



Neon



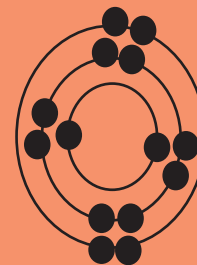
Sodium



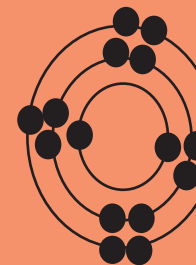
Magnesium



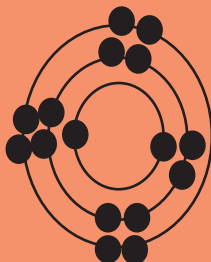
Aluminium



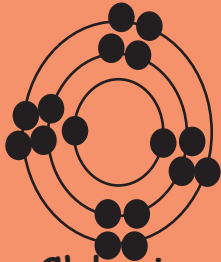
Silicon



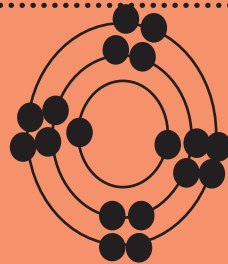
Phosphorous



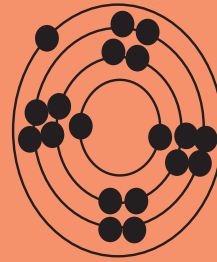
Sulphur



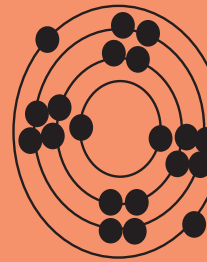
Chlorine



Argon



Potassium



Calcium

H

He

Li

Be

B

C

N

O

F

Ne

Na

Mg

Al

Si

P

S

Cl

Ar

K

Ca