



Instruction sheet



Periodic Table sets and Gallium

Part A - Gallium

- 1) Take a small piece of Gallium and hold it in the palm of your hand. Observe and feel what happens over the next few minutes (it can take a while, so make a start on Part B; don't drop the Gallium!)
- 2) When you are finished, 'pour' the gallium into the large plastic beaker containing water, by tilting your palm above the beaker. See what happens.

Part B – Periodic Table sets

- 1) Take all of the element samples out of the container. Arrange them on the blank A2-sized periodic table, putting each sample onto the square for that element.
- 2) Group the elements into their respective groups (metals, metalloids, non-metals). Do you see anything similar in each group?
- 3) Group the elements by appearance – shiny, dull, coloured etc. What other characteristics can you notice without opening the containers?
- 4) When finished, put the samples all back into the container for the next group.

