# A Level Chemistry B (Salters)

# Element Battleships

### Instructions

This activity is played in pairs. Each player should be given a grid on which to mark their ‘battleships’ without the other player seeing. Players should also have a second grid on which to mark the ‘hits’ and ‘misses’ from their opponent’s grid. There are four battleships to mark:

* 1 × 3 squares long
* 1 × 2 squares long
* 2 × 1 square long

In a normal game of battleships, squares are referred to by a system of letters and numbers. In Elements Battleships, learners must say the electronic configuration of the element they are trying to hit. For example, to find out if there is anything on the square for sodium, a learner must say ‘2,8,1’. This is the GCSE version of the game – once learners have been taught the s,p,d notation they can repeat this game using their new knowledge. The grid can be extended in this case to include the d block as appropriate.

### Your battleship grid

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1H |  |  |  |  |  |  | 2He |
| 3Li | 4Be | 5B | 6C | 7N | 8O | 9F | 10Ne |
| 11Na | 12Mg | 13A*l* | 14Si | 15P | 16S | 17C*l* | 18Ar |
| 19K | 20Ca |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
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### Your opponent’s battleship grid