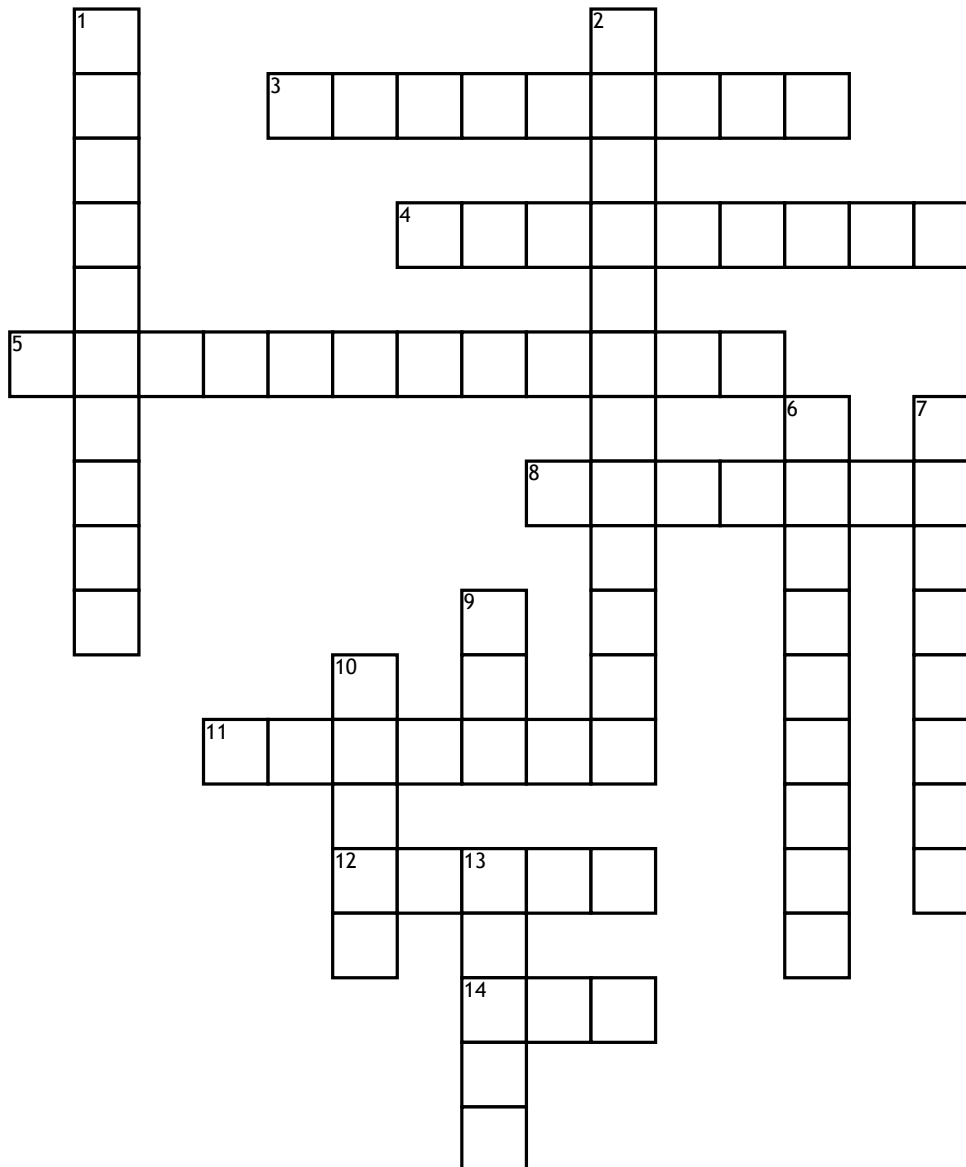


# The Periodic Table



## Across

3. The Russian chemist who came up with the idea of putting all the elements in a table. (9)  
 4. An Alkali metal which reacts vigorously with water and sends sparks flying. (9)  
 5. Lithium reacts with air to produce this gas (7,5)  
 8. the name given to the horizontal row of elements (6)

11. Elements in the periodic table are listed in order of the numbers of these in the nucleus. (7)  
 12. The number of electrons in the  $n=2$  orbit of neon. (5)  
 14. Group 1 elements are stored under this. (3)

## Down

1. The name given to the block of elements in the centre of the periodic table. (10)  
 2. The Name given to the elements of group 1(6,6)

6. when this element is added to water, potassium hydroxide and hydrogen are formed. (9)

7. These are atoms of the same element that have different mass numbers. (8)

9. The number of electrons in the first shell ( $n=1$ ) of the element sodium. (3)

10. Another name for the inert gases (5)

13. The name given to a vertical column of elements in the periodic table. (5)