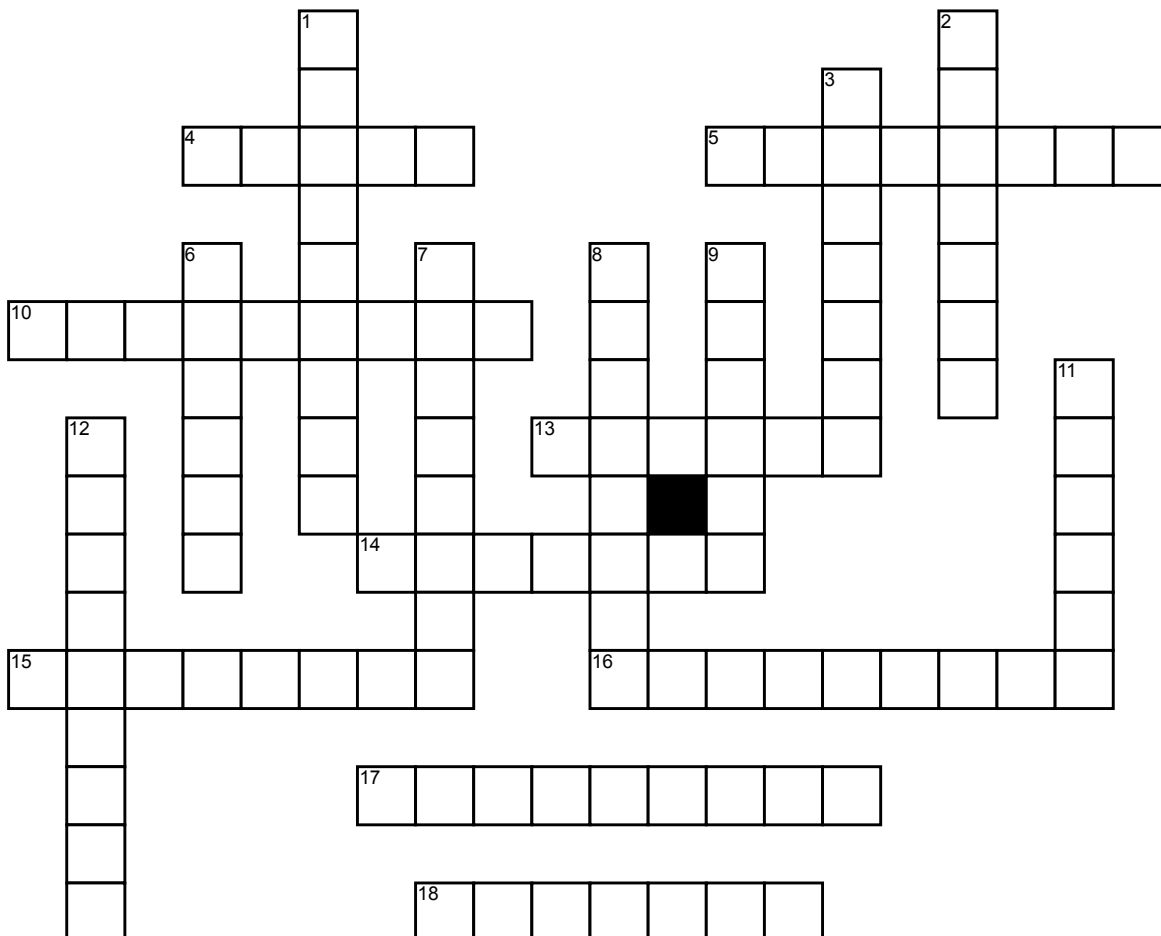


# Group 1 Crossword puzzle



**Across**

- 4. The common name for group 3A is derived from this element
- 5. Element in group 3A that is completely metallic
- 10. Element that has a electron configuration of  $1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 5s^2$
- 13. Element that has a electron configuration of  $1s^2 2s^2 2p^6 3s^2 3p^6 3d^{10} 4s^2 4p^6 4d^{10} 5s^2 5p^1$
- 14. The least reactive of the alkali metals
- 15. The most abundant metal on Earth

16. Plays a role in metabolism and muscle function

- 17. Found in bananas
- 18. Composed in bone and teeth

**Down**

- 1. Elements after this element consist of the 4d orbital
- 2. Has the largest liquid range of any metal
- 3. Metal that melts when held by hand
- 6. Found abundantly in mines and seawater

7. Average sized adult contains .36 grams of Rubidium in the body

- 8. The most reactive or unstable element
- 9. Its name in Latin means "sky blue" named after the blue emission lines given off in spectroscopy
- 11. Which element has a higher ionization energy: Cesium or Barium
- 12. Which element has a higher ionization energy: Beryllium or Lithium