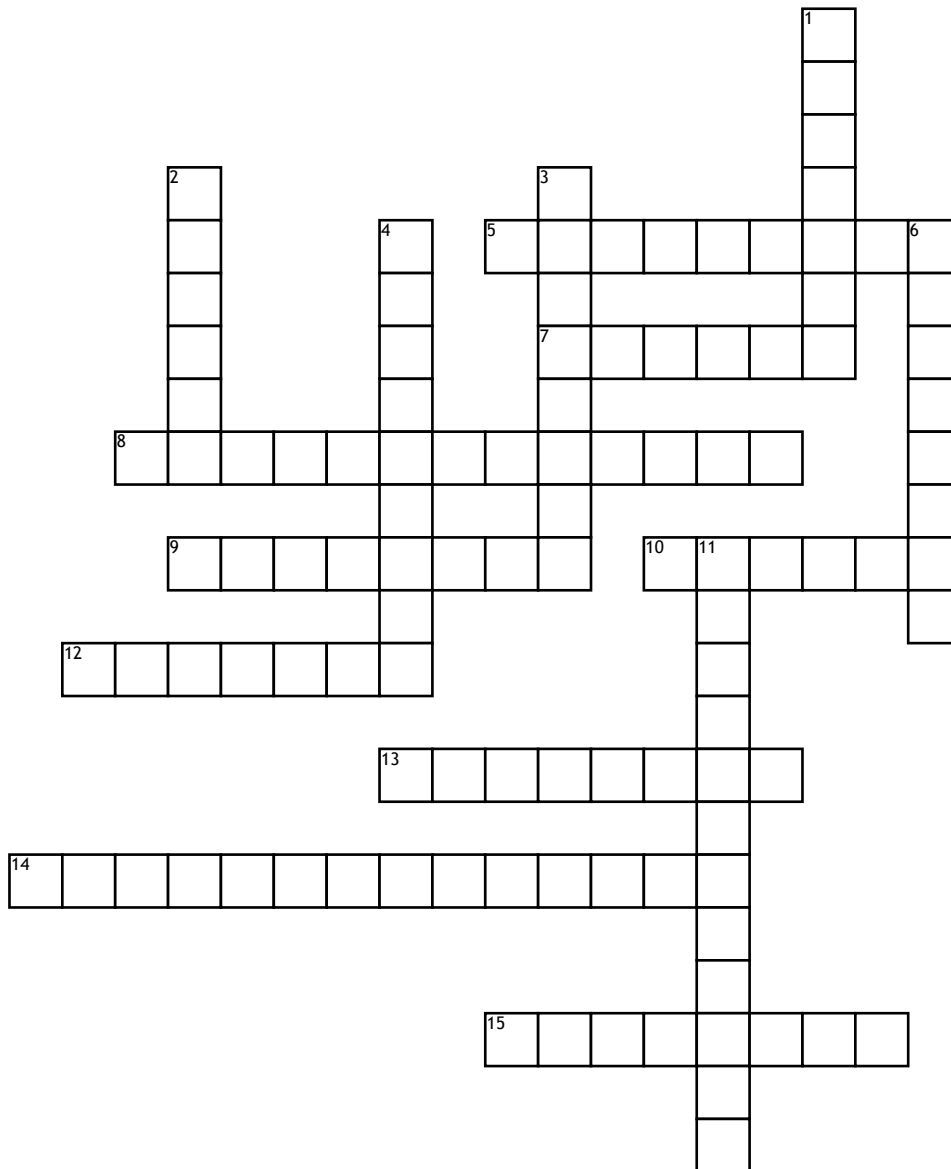


# Atomic Structure Crossword (3 points)



## Across

5. the method of heat transfer that doesn't require particles  
 7. two light nuclei join together and forced together  
 8. charged particles (positive or negative)  
 9. an atom that the neutrons and protons in the nucleus that aren't held together  
 10. positively charged particles found in the nucleus of an atom

12. positively charged central core of an atom  
 13. negatively charged, very light particles in an atom  
 14. positively charged nuclei of helium atoms  
 15. atoms of the same element that differ in the number of neutrons

## Down

1. splitting the nuclei of large atoms  
 2. a nucleus that does not change spontaneously

3. time taken for half the radioactive atoms in a sample decay  
 4. high-energy electromagnetic radiation produced in nuclear reactions  
 6. particles with no electrical charge  
 11. Radioactive form of an isotope