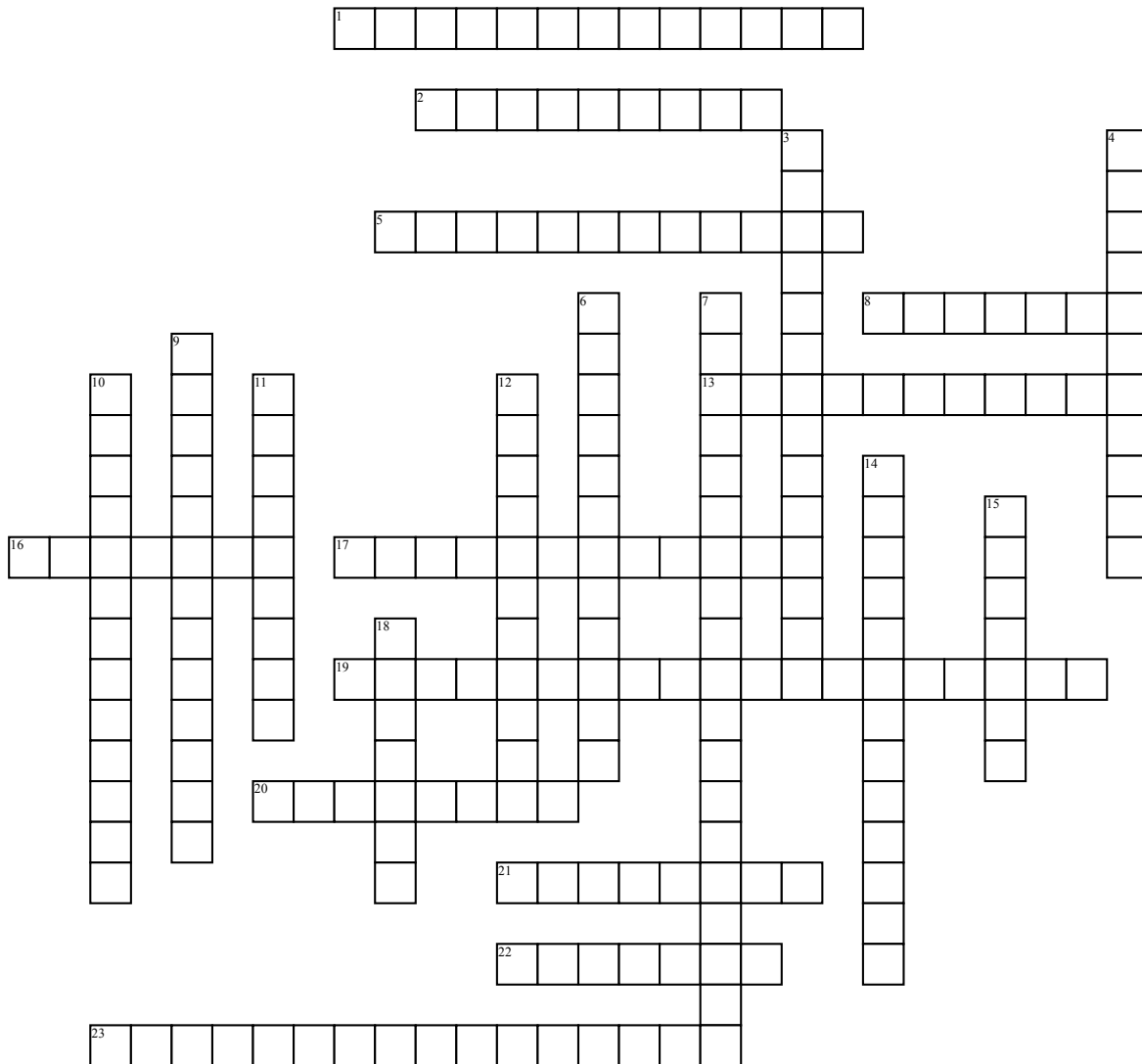


# Science :matter and materials



## Across

1. a mixture of non-uniform composition and of which the components can be easily identified
2. the movement of atoms or molecules from an area of higher concentration to a area of lower concentration
5. the process during which a gas changes to a liquid, either by cooling or by being subjected to increased pressure
8. the process during which a solid changes to a liquid by the application of heat
13. the change of a liquid into a vapour at any temperature below the boiling point
16. ability to be stretched into wire
17. the temperature of a liquid at which its vapour pressure equals the external pressure
19. a material that prevents the flow of charge

20. the process by which a liquid changes to a solid by the removal of heat
  21. pure substance consisting of two or more different atoms
  22. the mass per unit volume of substance
  23. a material that allows heat to pass through easily, thermal insulator does not allow heat to pass though it
- Down**
3. the random movement of microscopic particles suspended in a liquid or gas, caused by collisions between these particles and the molecules of the liquid or gas
  4. a mixture of uniform composition and in which all components are in the same phase
  6. the temperature at which a solid, given sufficient heat, becomes a liquid
  7. a material that allows the flow of charge

9. the temperature at which a liquid changes to a solid by the removal of heat
10. substance that can conduct electricity under some conditions, but not others, making it a good medium for the control of electrical current
11. ability to be hammered or pressed into shape without breaking or cracking
12. the process during which a solid changes directly into a gas without passing through an intermediate liquid phase d
14. a substance that cannot be separated into simpler components by physical methods
15. hard but likely to break easily
18. a pure substance consisting of one type of atom