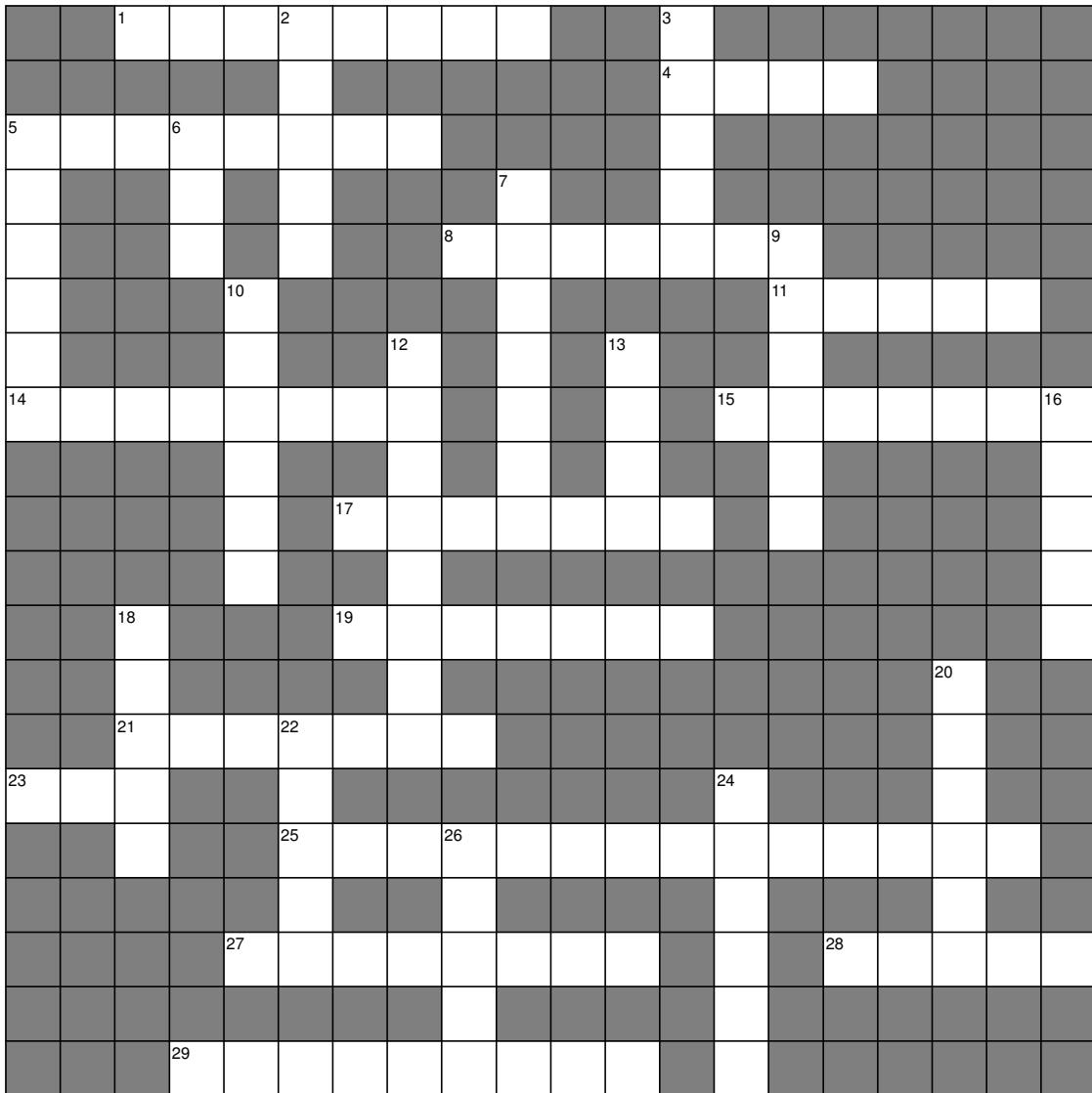


# The Nature of Materials



# The Nature of Materials

## Across

1. The type of bonding for liquids and gases. (8)
4. The smallest part of an Element that still holds the properties of the Element. (4)
5. The electrical charge on a Proton. (8)
8. The electrical charge on a Neutron. (7)
11. The type of bonding for crystals. (5)
14. The electrical charge on an Electron. (8)
15. The protons and neutrons together at the centre of an atom. (7)
17. What do electrically charged bodies act like ? (7)
19. There are 112 different ones and they make up everything in the universe. (7)
21. What do unlike Electrostatic Forces do ? (7)
23. A State of Matter that could smell. (3)
25. The most important way Atoms join together. (14)
27. The negative part of an atom. (8)
28. What do Iron and Carbon make ? (5)
29. A special type of steel made from Iron, Carbon and Chromium. (9)

## Down

2. What a negatively charged atom is called. (5)
3. The best example of Covalent Bonding. (5)
5. The positive part of an atom. (6)
6. What a charged atom is called. (3)
7. The neutral part of an atom. (7)
9. A State of Matter that could drown you. (6)
10. What a positively charged atom is called. (6)
12. The type of bonding used in all metals. (8)
13. An example of Ionic Bonding you put on your dinner. (4)
16. The State of Matter where the atoms cannot move. (5)
18. What does Copper and Zinc make ? (5)
20. What does Copper and Tin make ? (6)
22. What do like Electrostatic Forces do ? (5)
24. The word for the space a body takes up in the universe. (6)
26. The type of material that uses Metallic Bonding. (5)