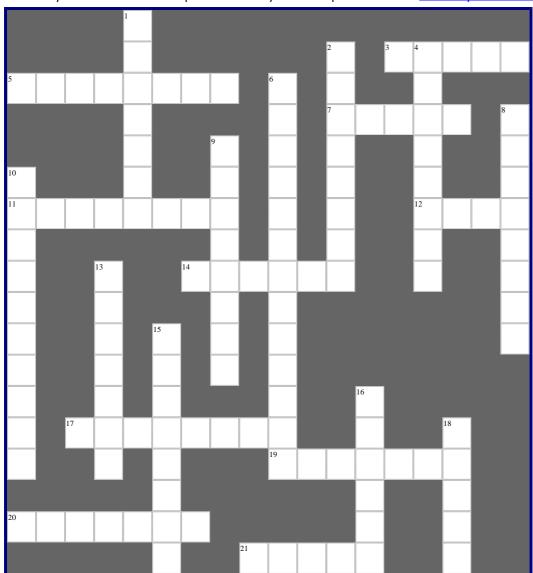
## 8e - Atoms

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## **Across**

- 3. A vertical column of elements on the periodic table with similar properties. (5)
- 5. This contains two or more elements chemically combined. (8)
- 7. Shiny materials that are good conductors of heat and electricity. (5)
- 11. How the chemical combination of substances takes place. (8)
- 12. The smallest particle of an element. (4)
- 14. A horizontal rows on the Periodic table. (6)
- 17. Another word for substance or stuff. (8)
- 19. Contains only one type of atom. It is found on the periodic table. (7)
- 20. A recipe for a particular chemical compound. (7)
- 21. A scientific representation or picture that helps us to understand how something works. (5)

## Down

- 1. The chemicals that we end up with in a reaction. (7)
- 2. This means joined together. (8)
- 4. The starting chemicals in a reaction. (8)
- 6. This is where we find all the elements listed in order of atomic number(8,5). (13)
- 8. An element or a compound. (8)
- 9. Usually electrical insulators with a dull appearance which are poor conductors of heat.(3,5). (8)
- 10. What distinguishes one substance from another how we tell substances apart. (10)
- 13. Regular arrangement of molecules. Diamonds, emeralds and rubies are examples. (7)
- 15. A group of atoms chemically joined. (8)
- 16. A sign or abbreviation to represent an element. (6)
- 18. Form of matter solid, liquid or gas. (5)