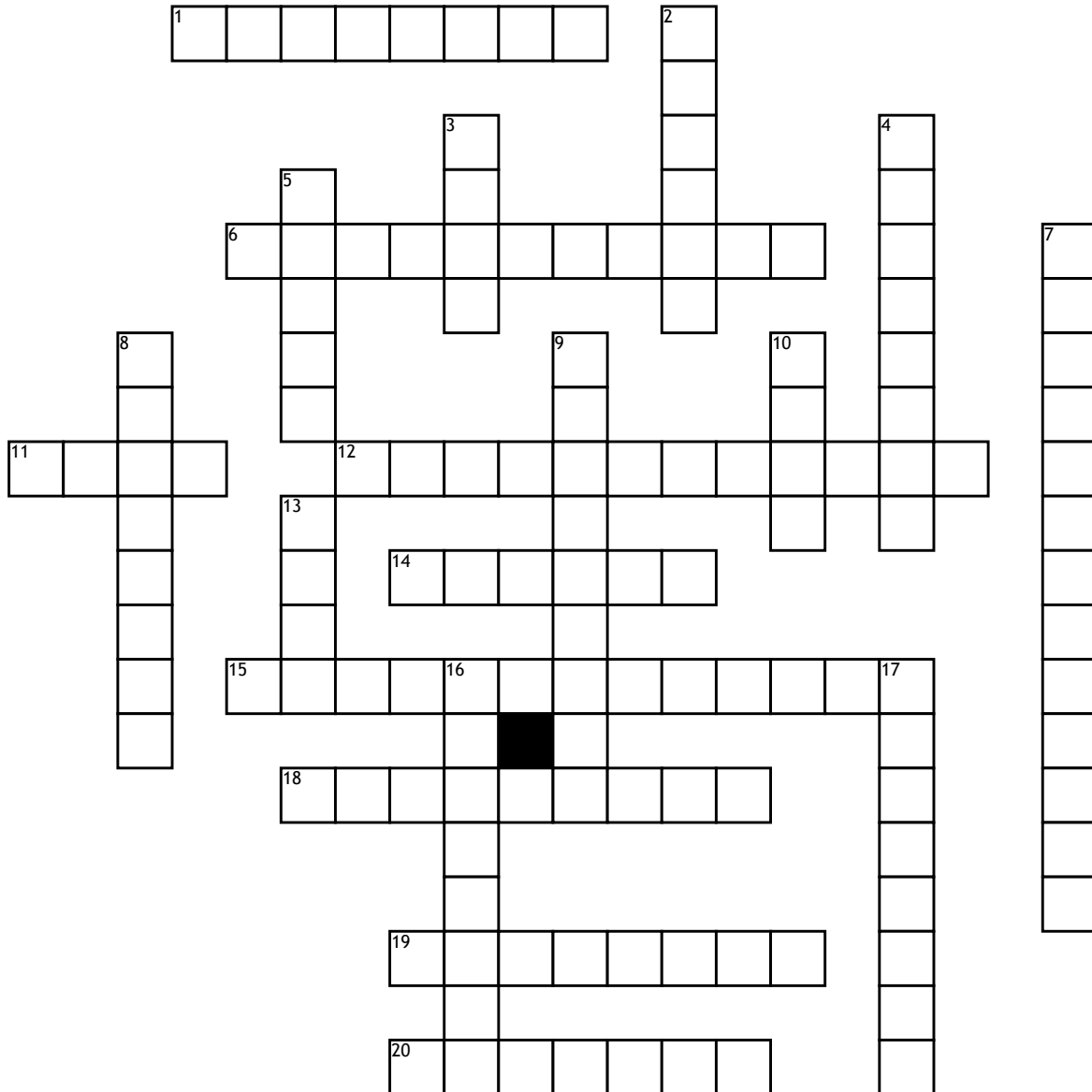


# Combustion and reactions



**Across**

- 1. This type of reaction always forms a new substance
- 6. This is when a weakened version of a pathogen is given to you
- 11. acid + carbonate = \_\_\_\_\_ + carbon dioxide + water
- 12. These may cause breathing problems when found in the air
- 14. a very \_\_\_\_\_ acid has a pH value of 1
- 15. To break something down using heat is known as thermal \_\_\_\_\_

- 18. This metal burns with a bright white flame
- 19. The addictive drug in cigarettes
- 20. This means free from disease

**Down**

- 2. Oil, coal and gas are this type of fuel
- 3. sulphur dioxide contributes to \_\_\_\_\_ rain
- 4. Hydrocarbons contain carbon and \_\_\_\_\_
- 5. fuel + oxygen = carbon dioxide + \_\_\_\_\_
- 7. This type of fire extinguisher has a black band

- 8. It is important to eat a \_\_\_\_\_ diet
- 9. CO is a \_\_\_\_\_ gas
- 10. This type of extinguisher has a cream band
- 13. acid + \_\_\_\_\_ = salt + water
- 16. incomplete combustion causes carbon \_\_\_\_\_
- 17. 78% of our air is made up of this gas