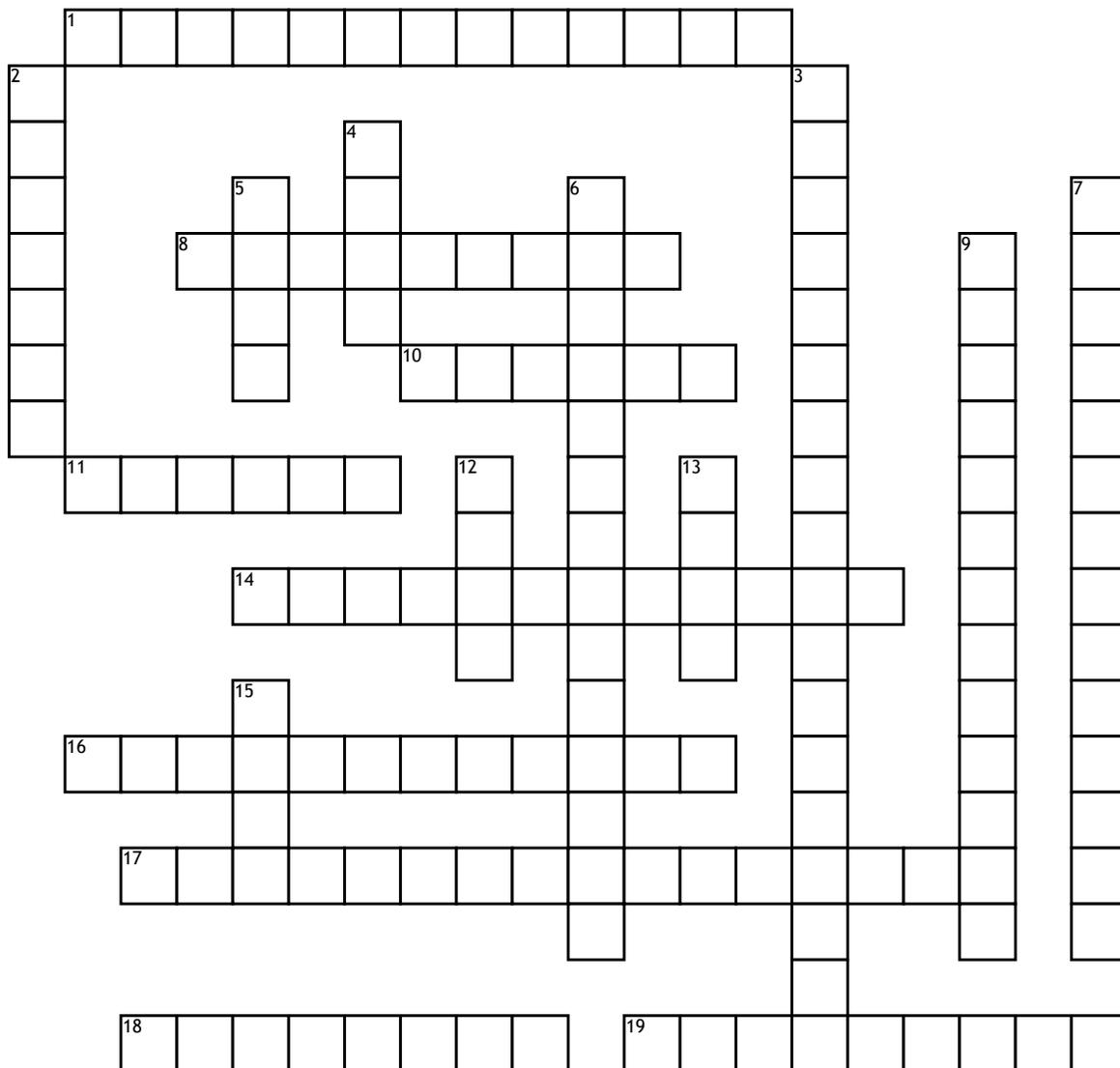


# acid and base



## Across

1. If air is bubbled slowly through water, the pH of the water changes from 7 to 5.7. What gas in the air is responsible for this?
8. When particles of something are mixed in with the particles of a liquid to make a solution
10. What type of taste will bases generally have?
11. What apparatus would you NOT use in a titration?
14. The acid responsible for putting the fizz in fizzy drinks is
16. When there are loads of particles of a substance mixed in with the water particles
17. This is the acid found in your stomach.

18. When atoms in chemicals swap places with each other to make new chemicals

19. A bottle of hydrochloric acid contains a hazard symbol, what is the hazard symbol

## Down

2. Something that is neither acidic nor alkaline but in the middle
3. If a mechanic wants to test the strength of the acid in a car battery, which one of the following would give the best result?
4. A family of chemicals with a pH of more than 7
5. A soil sample is tested for its pH, and is found to have a value of 5.5. What substance is best added to the soil in order to neutralise it?

6. The process by which an acid reacts with a base to produce salt and water is called

7. A Bronsted-Lowry base is defined as:

9. What gas is produced when hydrochloric acid reacts with calcium carbonate?

12. What solution will turn red litmus blue?

13. when a solution is not concentrated so it has not got many particles mixed in with the water particles

15. A family of chemicals with a pH of less than 7