

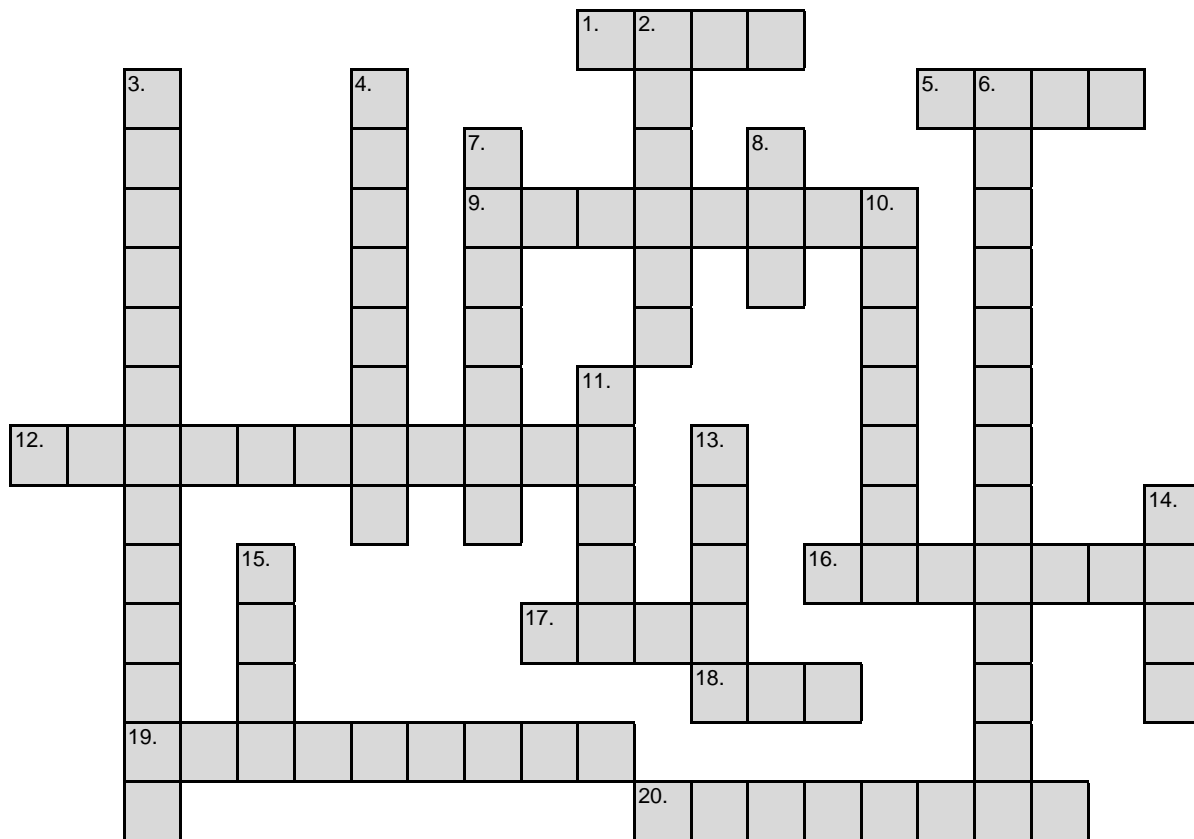
# Chem!stry

Name: ..... ( )

Class: .....

Date: ..... / ..... / .....

## Crossword on Acids, Bases and Salts



### Across

1. An insoluble metal oxide or metal hydroxide (4).
5. Dissolves in water to produce  $H^+$  as the only positive ion (4).
9. A weak monobasic acid (8).
12. Formed when  $CO_2(g)$  is bubbled through limewater (11).
16. A gas that turns damp red litmus paper blue (7).
17. Colour of Universal Indicator in an alkaline solution (4).
18. Colour of Universal Indicator in an acidic solution (3).
19. Produces  $CO_2(g)$  when added to an acid (9).
20. Gas produced when an acid reacts with a metal (8).

### Down

2. A base that is soluble in water (6).
3. Observed when a reaction produces a gas in aqueous solution (13).
4. A strong dibasic acid (8).
6. Gas produced when an acid reacts with a carbonate (6,7).
7. A chemical with a pH value of 7 is said to be ..... (7).
8. Hydrogen gas extinguishes a burning splint with this sound (3).
10. This metal carbonate is found in antacid tablets and is used to neutralise acidic soil (7).
11. Produces  $H_2(g)$  when added to an acid (5).
13. Formed as a side-product when an acid reacts with a base (5).
14. Usually formed when the hydrogen of an acid is replaced by a metal (4).
15. Characteristic taste of an acid (4).

- Scan the QR code below for the answers to this assignment.



[http://www.chemist.sg/acids/acids\\_crossword\\_ans.pdf](http://www.chemist.sg/acids/acids_crossword_ans.pdf)