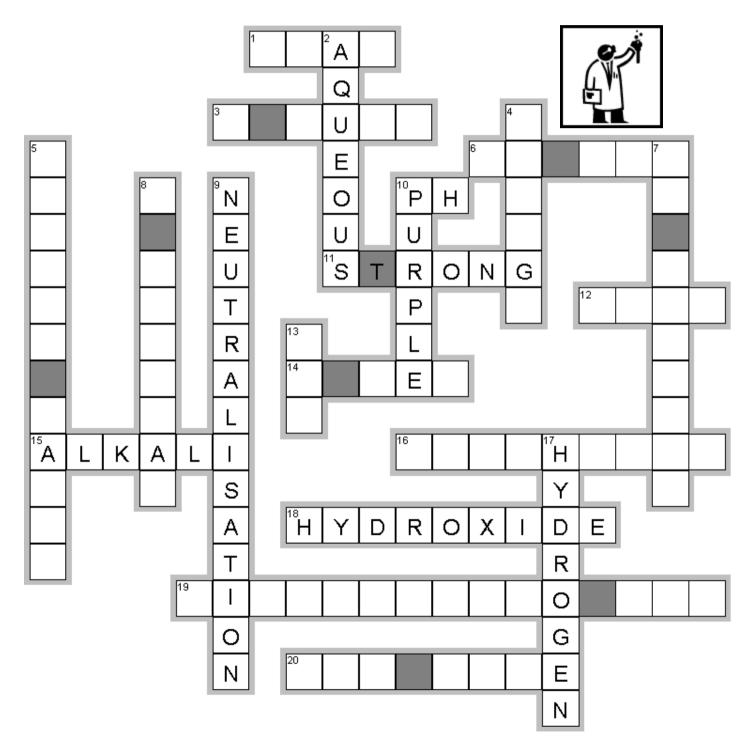
# Strong and weak acids/alkalis

## A crossword with a difference:

- Where you have a clue fill in the answer;
- Where you have the answer write your own clue!



Mystery word from the shaded squares:\_\_\_\_\_\_

# **Across**

<ol> <li>An acid or alkali that doesn't ionises much in wate</li> <li>Acid that has been mixed with a lot of water,</li> <li>A hydrogen ion.</li> <li>D.pH</li> </ol>	:r. 
11.STRONG	
<ul><li>12. Type of substance that can donate a proton.</li><li>14. Always made in neutralisation reaction (together salt).</li></ul>	with a
15.ALKALI	
<ul><li>16.Type of acid involved in producing acid rain (descriptions)</li><li>18.HYDROXIDE</li></ul>	lue to
_	water
Down	
2. AQUEOUS	
<ol> <li>Colour corresponding to pH 4 with UVI.</li> <li>Not the same as strong!</li> <li>Reacts with alkalis to make metal nitrates.</li> <li>Type of indicator that can be used to find the number of an acid or alkali.</li> <li>NEUTRALISATION</li> </ol>	ie pH
10.PURPLE	
13.H <sub>2</sub> SO <sub>4</sub> + NaOH → Na <sub>2</sub> SO <sub>4</sub> + 2H <sub>2</sub> O 17.HYDROGEN	

#### **Across**

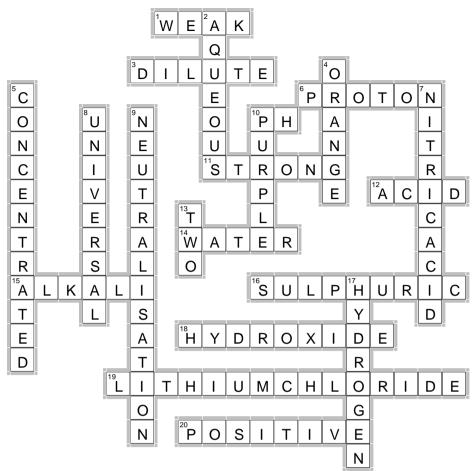
- 1. WEAK
- 3. DILUTE
- 6. PROTON
- 10. pH
- 11. STRONG
- 12. ACID
- 14. WATER
- 15. ALKALI

- 16. SULPHURIC
  18. HYDROXIDE
  19. LITHIUMCHLORIDE
- 20. POSITIVE

## **Down**

- 2. **AQUEOUS**
- 4. **ORANGE**
- 5. **CONCENTRATED**
- 7. **NITRICACID**
- 8. **UNIVERSAL**
- 9. **NEUTRALISATION**

- 10. PURPLE
  13. TWO
  17. HYDROGEN



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