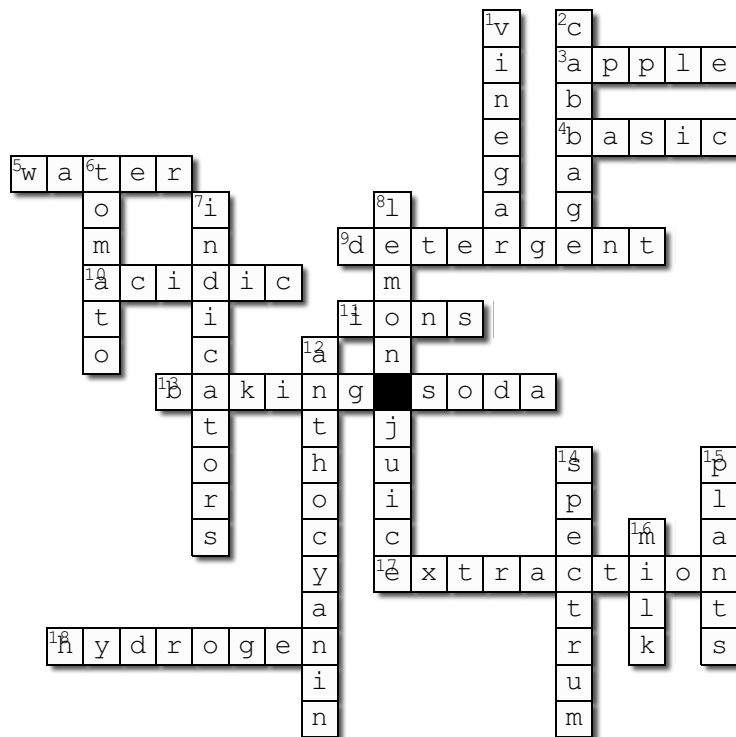


Name: _____

Acid Base Natural Indicators

Complete the crossword puzzle below: Watch the video (it is the same as the title) to help find some of the words and definitions, they will be hard without watching them! Certain answers are two words so they will have spaces (black squares).



Created using the Crossword Maker on TheTeachersCorner.net

plants spectrum apple lemon juice milk extraction tomato basic indicators hydrogen anthocyanin
baking soda cabbage water acidic ions vinegar detergent

Across

3. A round fruit that comes from a tree; commonly associated with doctors. (**apple**)
4. The classification of a substance that does not have that many Hydrogen Ions. (**basic**)
5. Something you need to drink everyday! Has a neutral pH of 7. (**water**)
9. Something you wash your clothes with that has a pH of 10. (**detergent**)
10. A repeated pattern; think about music or the rate a heart beats (**acidic**)
11. Acids have a lot of Hydrogen ' ____ '. (**ions**)
13. You can mix this with vinegar to make a 'volcano'; it is a white powder. (**baking soda**)
17. Another word for taking or removing something; starts with the letter 'e'. (**extraction**)
18. Element Number 1 on the Periodic Table (**hydrogen**)

Down

1. The very first substance shown in the video and the most acidic with a pH of 2! Think of something that smells sour (**vinegar**)
2. The purple plant and vegetable that has anthocyanin and was used as a natural indicator. (**cabbage**)
6. A type of red vegetable/fruit with tiny seeds commonly eaten with salad and is a main component of salsa. (**tomato**)
7. Things that changes colors depending on the pH of what they are added in to; think of Anthocyanin (it is also in the title) (**indicators**)
8. Very acidic with a pH of 2! It is very sour and comes from a yellow fruit. (**lemon juice**)
12. The chemical present in cabbage that is used as a natural indicator. (**anthocyanin**)
14. A scale used to classify something; think 'rainbow' and about colors specifically. (**spectrum**)
15. A broad term for living organism such as trees, grass, and flowers. (**plants**)
16. A white liquid with a pH of 6! It comes from cows. (**milk**)