

Acids, Bases, and Salts

Across

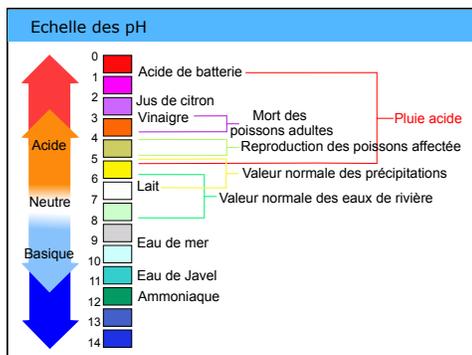
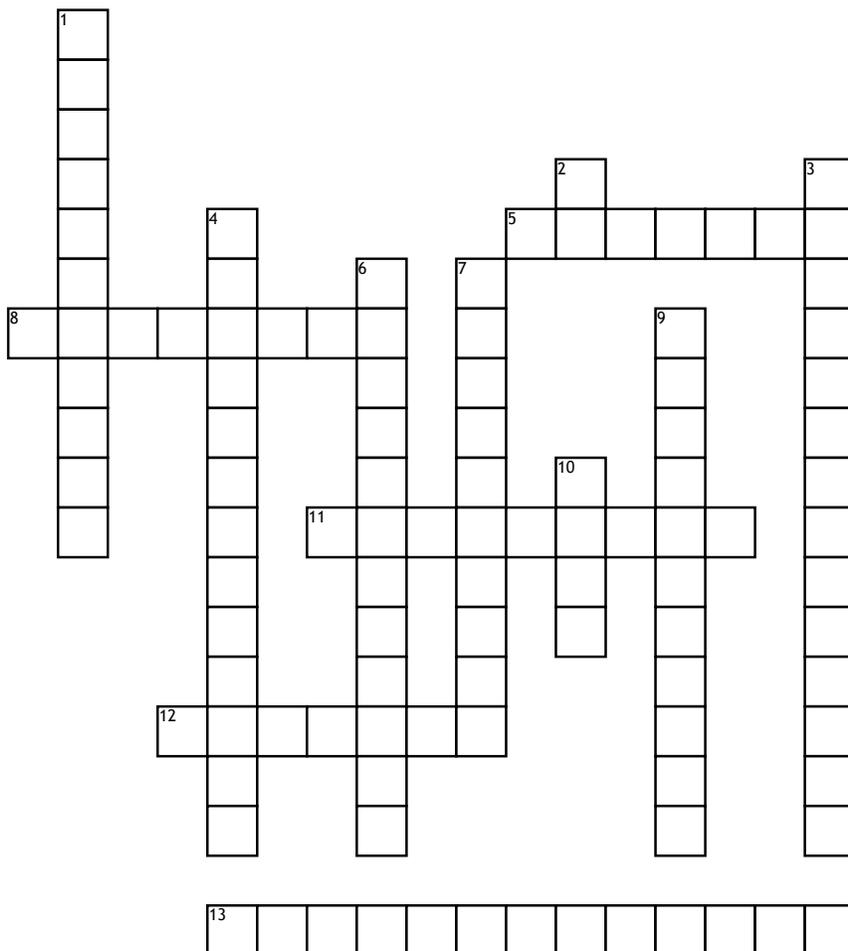
5. a logarithmic scale that measures the acidity or alkalinity of a solution on a scale of 1 to 14

8. the concentration of a substance in moles per liter of solution

11. a substance that undergoes a color change that can be used to determine when a reaction is complete

12. a measure of the hydrogen (hydronium) ion concentration of a solution

13. a substance that produces hydroxide ions (OH⁻) as the only negative ions when dissolved in water



Down

1. a substance whose water solution conducts an electric current

2. a logarithm of a solution's hydrogen ion concentration

3. the reaction between an acid and a base to produce water and salt

4. a substance that produces hydronium ions (H₃O⁺) as the only positive ions when dissolved in water

6. A compound formed by the combination of water with a hydrogen ion, H₃O⁺

7. a measure of the hydroxide ion concentration of a solution

9. a hydrogen atom without its electron (consisting solely on a proton)

10. the product other than water of a neutralization reaction; an ionic substance consisting of a metallic cation and anion other than the hydroxide ion