

Name _____

Electric Adventures of Acids and Bases: Can They Conduct?

Short Answer

1. Explain what ionization is and how it relates to the electrical conductivity of acids.
2. Provide an example of a strong acid and a strong base, and explain why they are excellent conductors of electricity.
3. Describe the ionization process in weak acids and weak bases and how it affects their electrical conductivity.
4. What role do ions play when an electric current is applied to a solution containing them, and why is this significant for electrical conductivity?
5. Can you think of real-life applications where the electrical conductivity of acids and bases is utilized, and how does it benefit those applications?

