

Name \_\_\_\_\_

## What is the Difference between AC (Alternating Current) and DC (Direct Current)?

### Open-Ended Response Questions

1. Compare and contrast direct current (DC) and alternating current (AC) in terms of their generation, transmission, and applications, providing real-life examples.
2. Explore the historical battle between Thomas Edison, a proponent of DC, and Nikola Tesla, an advocate for AC, in the "War of the Currents."
3. Imagine a world where either AC or DC electricity does not exist. How would it affect our technology, infrastructure, and daily lives?
4. Discuss the significance of safety measures when dealing with AC and DC electricity, emphasizing the importance of proper insulation and protective gear.

