

Name \_\_\_\_\_

## The Magic of Electricity Distribution

### Open-Ended Response Questions

1. Discuss the significance of transformers in making electricity distribution safe and efficient, emphasizing their role in voltage transformation.
2. Explore the potential challenges of maintaining and upgrading transformers in a modern electrical grid, considering factors like aging infrastructure and technological advancements.
3. Imagine a world without transformers. How would it impact the way we use electricity and the reliability of power distribution?
4. Research and describe a real-life example of a technological advancement in transformer design or use that has improved electricity distribution.

