

# Build a Simple AC Generator Worksheet

## Observations

Assuming the magnet is spun at a constant velocity, sketch a rough graph of voltage versus time for the generator using Equation 1.

## Post-Lab Questions

1. What are the components needed to make a generator?
2. In your own words, describe how the generator creates power.
3. What are some sources of mechanical power that are used to generate electricity in generators in power plants?
4. How do thermal power plants, which generate heat by burning fuel or some other method, generate electricity?