

**THE MECHANICAL UNIVERSE**  
**Video 38 - Alternating Current**

**Name:** \_\_\_\_\_  
**Class:** \_\_\_\_\_

1. In what way is practically all electric power generated?
2. What is the energy source for hydroelectric power?
3. What is alternating current?
4. What type of current did Thomas Edison promote?
5. When did Tesla arrive in New York?
6. Who invented the first motion picture camera?
7. List a few examples of resonance:
8. At low frequency, which RLC circuit element dominates?
9. At what frequency does the most current flow in a circuit?
10. Why was Tesla's method better?
11. What did Marconi invent?
12. Did Tesla die wealthy or almost penniless?