

1. List the objectives for this section.
2. What is electromagnetic induction?
3. What is Faraday's Law?
4. How can a loop of wire produce a current?
5. Why doesn't induction violate the law of conservation of energy?
6. When is the magnetic force zero?
7. When is the magnetic force at its maximum?
8. When does the force decrease?
9. What is a generator?
10. When does the current reverse?

11. When is the current zero?

12. When is the current at its maximum?

13. When does the current reverse?

14. What sources of power do power plants use?

15. Which direction do the electric and magnetic fields move compared to the wave?

16. Which direction do the electric and magnetic fields move compared to each other?

17. What does a transformer do?

18. What are the parts of a transformer?

19. What is the difference between a step up and a step down transformer?