

Define the following words. You may use the back of this paper.

1. ferromagnetic
2. magnetic domains
3. dipole
4. magnetic declination
5. magnetic field
6. solenoid
7. electromagnetic induction
8. magnetic flux
9. Faraday's law of induction
10. commutator
11. mutual induction

Match the following words with their definitions.

- | | |
|-----------------|---|
| 12. generator | a. increases or decreases the voltage |
| 13. motor | b. turns mechanical energy into electrical energy |
| 14. transformer | c. turns electrical energy into mechanical energy |

Use the following words to complete the sentences. You may use each word more than once.

Primary coil	secondary coil	step-up
increase	decrease	step-down

In a _____ transformer, the _____ has more coils than the _____ and will _____ the voltage. In a _____ transformer, the _____ has more coils than the _____ and will _____ the voltage.