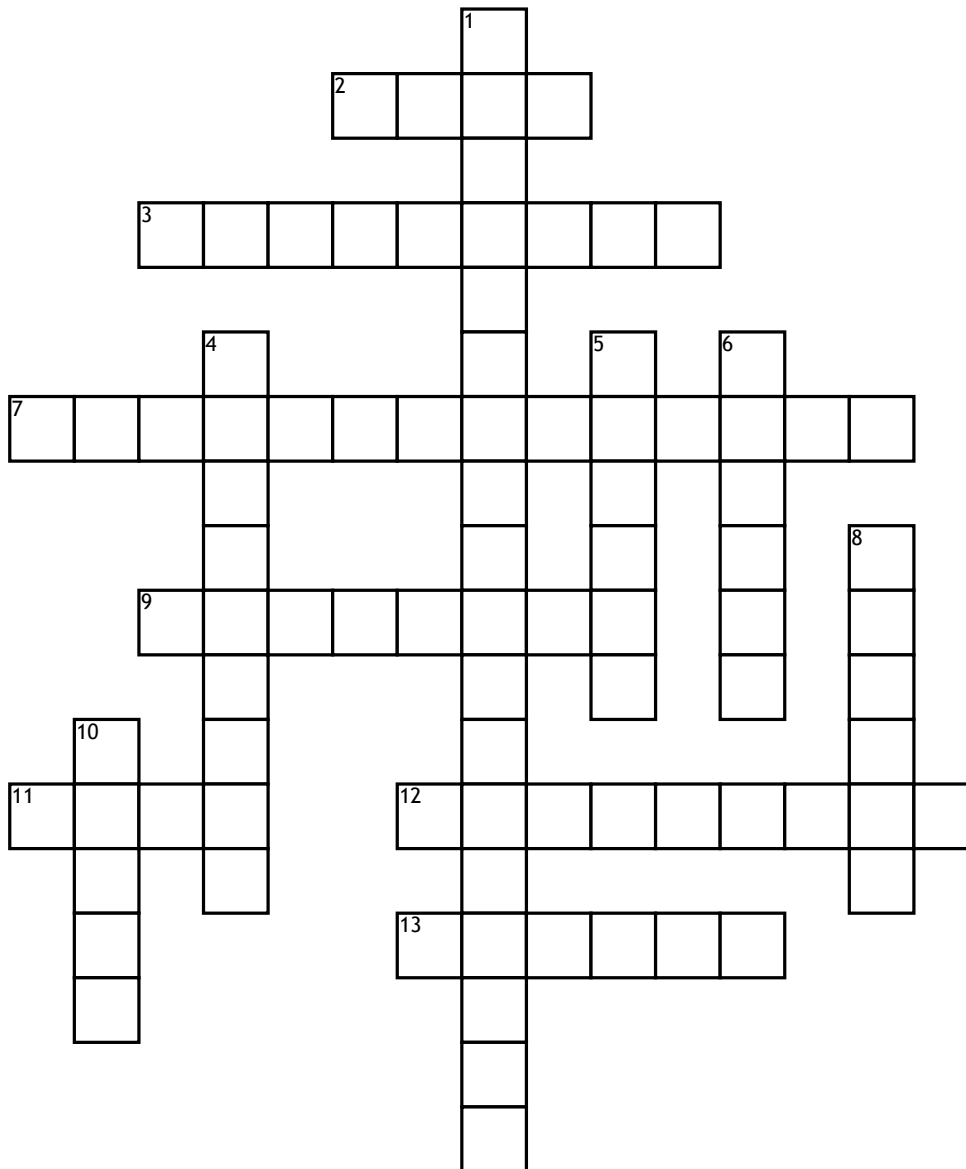


# Engineering One



## Across

2. Derived SI unit for electromotive force (e.m.f.)  
 3. A material which contains movable electrical charges  
 7. An AC motor where power is supplied to the rotor by magnetic induction  
 9. A device that creates mechanical motion by converting various forms of energy to rotating or linear mechanical energy

11. Set of series connected turns

12. Rotating electric machine used to transform mechanical energy into electric energy

13. The rotational force produced by a motor

## Down

1. The force induced in a conductor when it is moved across a magnetic field. (e.m.f)

4. Specified sequence of operating conditions

5. SI base unit of electric current

6. e stationary portion of a machine

8. Force required to accelerate a mass of one kilogram at a rate of one meter per second per second

10. The rotating part of an electrical machine