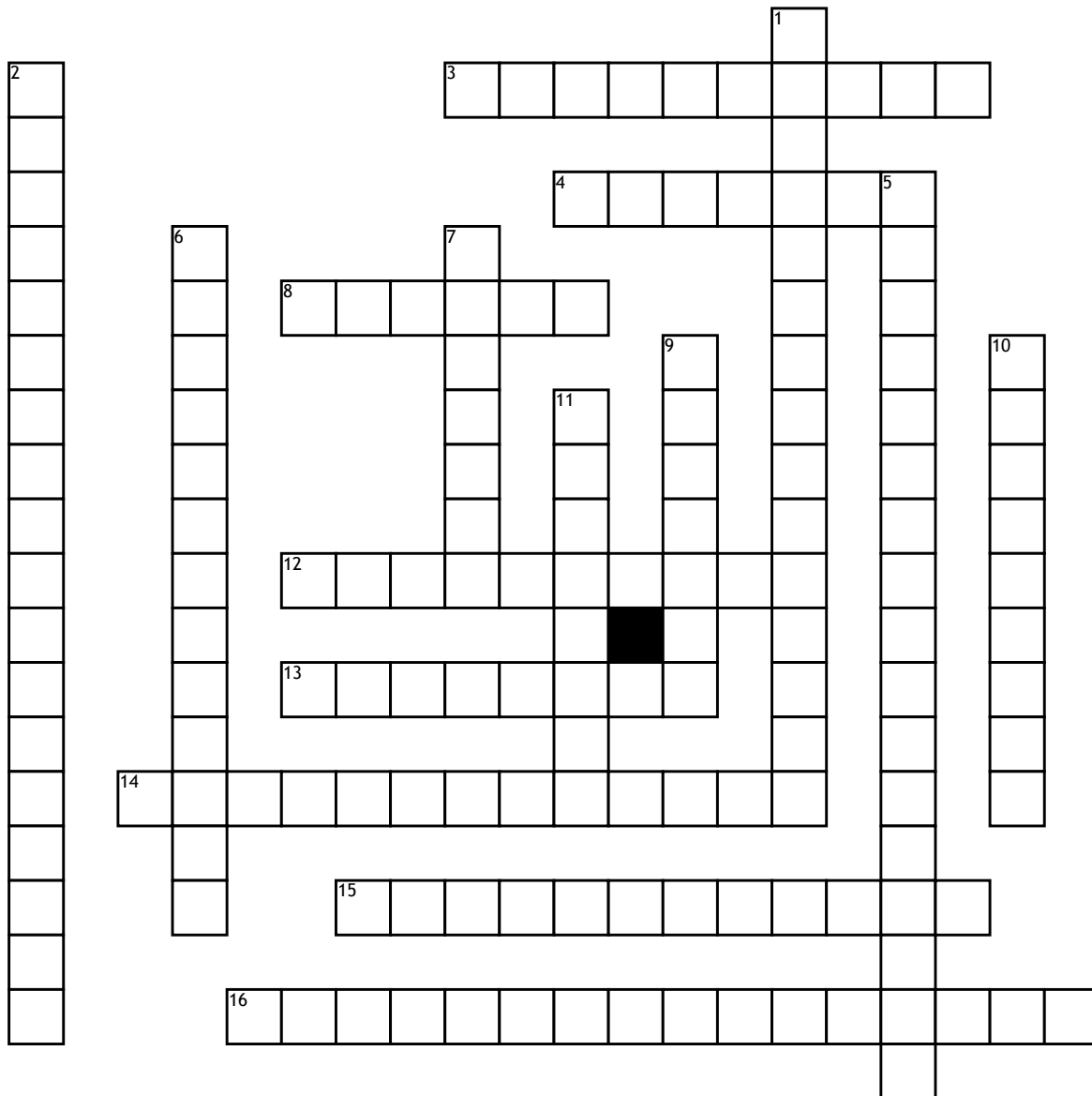


# Engineering Essentials Unit 3



## Across

3. The opposition to current measured as an ohm.  
 4. The amount of work to be done to move a charge from one point to another along an electric circuit measured as a volt.  
 8. The zero reference for voltage, also referred to as earth.  
 12. An electrical device that typically measures voltage, current, and resistance.  
 13. An electrical component that opposes current flow.

14. An electrical circuit that has only one path current.  
 15. An electrical circuit that has a resistance close to zero between the voltage source and ground.  
 16. A graphical model of an electrical circuit.

## Down

1. An electrical circuit that has more than one path current.  
 2. Electric current that regularly changes direction many times each second.

5. A mechanical system that is actuated or controlled by electronics.  
 6. Electric current that flows in one direction.  
 7. The flow of electrical charge through a circuit measured as an ampere.  
 9. An electrical device that measures current.  
 10. An electrical device that measures voltage.  
 11. An electrical device that measures resistance.