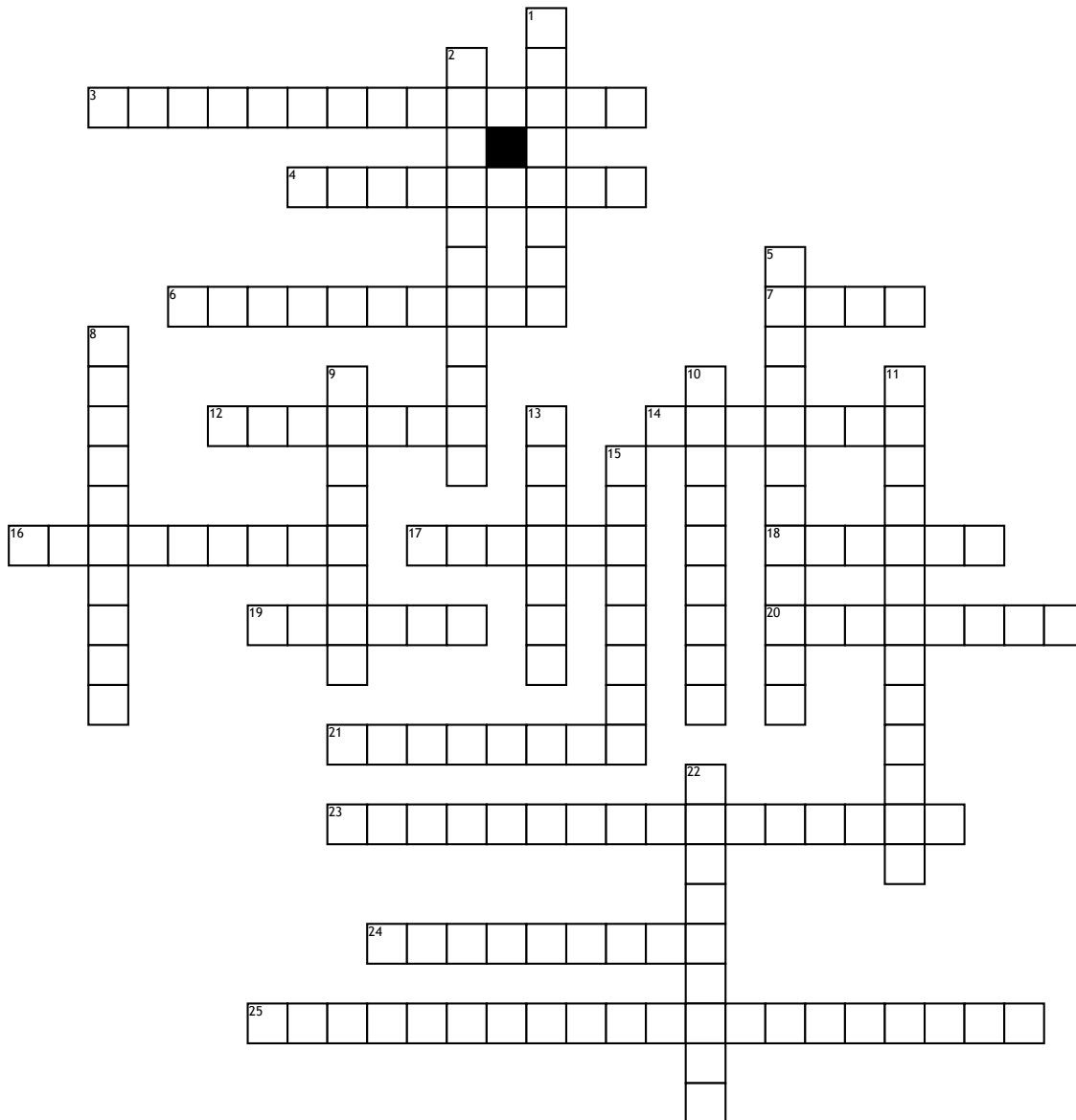


Name: _____

Date: _____

Physical Science



Across

- 3. Wrote De Magnete
- 4. device used to store a static electric charge
- 6. electricity transmitted directly through a substance
- 7. _____ charges repel
- 12. flow of charge from place to another
- 14. This type of particle has a zero charge
- 16. charging by conduction is always _____
- 17. Greek philosopher who studied amber and helped to bring electrostatics to the forefront
- 18. electricity that does not move
- 19. a positive charge comes from which particle?

- 20. electric charges must be _____ to make a charge
 - 21. Electrons have an excess amount of _____ particles
 - 23. American inventor who had his kite struck by lightning
 - 24. electric charges imparted at a distance without direct contact between objects
 - 25. The _____ states that opposite charges attract each other, but like charges repel each other
- ## Down
- 1. a negative charge comes from which particle?
 - 2. the interaction between electrons and other charged particles

- 5. simple device that uses laws of electrostatics to detect small electric charges
- 8. electrostatic method of producing images on paper
- 9. an example of this phenomena is rubbing a ballon on your head and your hand stands on end
- 10. an early device used to store an electric charge
- 11. relating to stationary electric charges and their behavior
- 13. SI unit of electricity
- 15. Protons have an excess amount of _____ charges
- 22. for induction to be permanent, what is needed?