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Physical Science

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| **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? |