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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? |