Electricity

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| **Across****4.** A material which permits a flow of energy **6.** A type of energy that uses charged particles**9.** A device that converts mechanical energy to electrical energy**13.** The path of which electrical energy flows through**18.** The unit used to measure the electrical resistance **20.** Alternating Current**21.** A flash of light in the sky caused by electrical discharge between clouds and the Earth's surface**24.** To injure or kill someone by electric shock**25.** One of 3 components needed for an electrical circuit**27.** Lacking positive qualities**29.** A closed circuit where the current follows one path**30.** Used to measure the current in a circuit **32.** A connection from a circuit to the earth (safety measure)**33.** A point of connection on an electrical device (eg. Battery)**34.** A device that reduces the flow of an electric current**36.** The flow of electrons**37.** A closed circuit where the current divides into two or more paths**38.** A thin thread made of tungsten that glows when electric current flows through it | **Down****1.** To provide an amount of electricity to something**2.** A defect in a circuit that causes the current to flow in the wrong direction**3.** The unit used to measure electrical potential difference**5.** A device that can start to stop flow of electricity in a circuit **7.** Electricity that is not moving**8.** A flash produced by electrical discharge**10.** He proved that lightning was a from of electricity (Benjamin....) **11.** A positively charged subatomic particle**12.** A device used to transfer electrical energy from one circuit to another**14.** Neither positive nor negative**15.** The unit used to measure electric current**16.** A cell that is a source of power**17.** A metal that is a good conductor of electricity **19.** A thin, flexible thread of metal**22.** He discovered animal electricity (Luigi....)**23.** Direct Current**26.** A negatively charged subatomic particle**28.** A material that prevents energy from easily passing through it**31.** A safety device that cuts off an electric circuit if the current exceeds a safe level**35.** A wire that activates a trap or light when disturbed  |