## Static Electricity

## <u>Across</u>

1. the force exerted by an object with an electric charge

**3.** an object with fewer electrons than protons

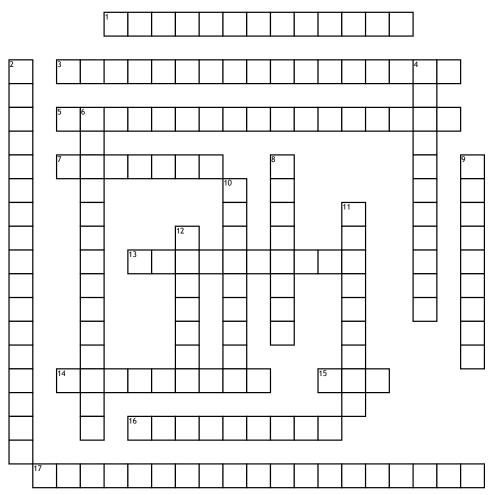
**5.** an object that has more electrons than protons

7. object with an equal number of electrons and protons

**13.** charging an object by contact with a charged object: charging by

14. connecting an object to a large body, like Earth, to remove an electric charge

**15.** used to direct lightning through a safe path to the ground: lightning \_\_\_\_\_





**16.** a very dramatic electric discharge

**17.** a list of materials arranged in order of their tendency to gain electrons

## <u>Down</u>

**2.** imbalance of electric charge on the surface of an object

**4.** static electricity is a useful form of \_\_\_\_\_

**6.** a form of charge - positive or negative

**8.** a positively charged sub-atomic particle

**9.** a material that does not easily allow electrons to move through it

**10.** charging an object by bringing a charged object close to, but not touching, a neutral object: charging by \_\_\_\_\_

**11.** a material that allows electrons to move easily through it

**12.** a shift in the position of electrons in a neutral object when a charge is near: \_\_\_\_\_\_ charge separation