

SPARKS AND SHOCKS

1. Electrical experiments were first conducted in earnest in the _____ Century.
2. _____, an Englishman, was the first scientist to investigate electricity and magnetism.
3. The word electron comes from the Greek word for _____.
4. 3 important experimenters of electricity and their contributions from the 18th Century:
5. The 2 types of electricity were initially referred to as _____ (for amber) and _____ (for glass).
6. Today we refer to the 2 types of charges as _____ and _____, a system of nomenclature first proposed by _____.
7. Unlike charges _____ each other, and like charges _____ each other.
8. A pinwheel rotates because the metal points are _____ by the charged air molecules.
9. The first plate machine was first invented around _____.
10. A spark-generating machine built in 1784 by John Cuthbertson was used to test lightning rods, with the result that ship lightning rods were changed from _____ to _____.
11. With his famous kite experiment, _____ demonstrated that lightning was indeed electricity.
12. The _____ is a device that stores electricity and produces huge sparks; this device is named for the famous city in _____.
13. Early devices used to measure electrical charge were called _____.
14. List some early practical applications of static electricity shown in the video: