

Famous Names in Electricity

The sentences below refer to famous scientists and inventors from the "History of Electricity" section of your electricity fact sheet. Read the sentence. Next, write the last name of the scientist or inventor in the squares and circles. Unscramble the letters in the circles to form the answer to the final statement.

1. First scientist to conduct an electric current by passing a magnet through copper wiring.

□ □ ○ ○ □ ○ □

2. In 1895, he opened a power plant that used AC power.

□ □ □ □ □ □ ○ □ □ □ ○ □

3. Many people believe he discovered electricity with his famous lightning experiment.

○ □ ○ □ □ ○ □ □

4. Using salt water, zinc, and copper, he created the first electric cell.

□ □ ○ □ ○

5. He invented the light bulb and opened the first electric power plant.

□ □ ○ □ □ ○

6. The first electric power plant able to transport electricity over 200 miles.

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Electric Math

Match the following numbers with the statements below. You will use each number only once. Write the numbers on the lines to the left of the statements. Next, perform the mathematical operations indicated by each statement. Write your answers on the lines to the right of the statements.

- 12.9 120 1000 1882 1879 35

- _____ 1. Start with the voltage used to operate most household appliances.
- _____ 2. Divide this number by the cost, in cents, of a kilowatt-hour of electricity = _____
- _____ 3. Multiply this number by the average efficiency of a thermal power plant = _____
- _____ 4. Add to this number the year the light bulb was invented = _____
- _____ 5. Divide this number by the number of watts in one kilowatt = _____
- _____ 6. Multiply this number by the year Edison started his power plant =

ANSWER