**ELECTRON EMMISION**

**Put the words in the correct order to get the sentences.**

1. a number, the electrons, of ways, of a substance, there are, through, its, break, can, surface, in which/
2. light, when, by the energy, it, of, rays, electrons, liberated, are, called, photoelectric, is, emission.
3. emission, the, of, type, is, the, of, liberation, third.

**Try to match the parts of the sentences. If it’s too difficult, look through the text first.**

1. When electrons of a a) the electrons move faster than their normal

metal are reed by heating … speed of motion.

2. The third type of emission b) the liberation of electrons from substances

is the liberation of electrons … under particular conditions.

3. While cold-cathode emission c) as a result of the bombardment of the

the electrons are liberated from substance with fast – moving electrons.

a substance …

4. Electron emission is … d) by the attracting power of a strong

electric force.

5. If the metal is heated, … e) it is called thermionic emission.

**ELECTRON EMMISION**

Electron emission is the liberation of electronic from substances under particular conditions. There are a number of ways in which the electrons of a substance can break through its suriace, for example, the application of heat. If the metal is heated, the electrons move faster than their normal speed of motion. When electrons of a metal are freed by heating it is called thermionic emission.

Then there is the application of light. When electrons are liberated by the energy of the light rays it is called photoelectric emission.

The third type of emission is the liberation of electrons as a result of the bombardmend of the substance with fast- moving electrons.

The fourth method is called cold-cathode. In this case the electrons are liberated from a substance by the attracting power of a strong electric force.

NOTES AND COMMENTARY

under particular conditions- при can break through its surface- могут

особых условиях вырываться с поверхности

a number of ways- ряд способов as a result of- в результате