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## Flashlight energy transformation is

While famous scientists such as Isaac Newton only theorized through the Enlightenment, energy has always been very important in life on earth. The availability of energy is very important because it depends on the quality of life and its maintenance. In general, energy transformation refers to the process of converting energy from one form to another. Observing the energy transformation that takes place in the flashlight helps explain how one form of energy turns into another. In order for the flashlight to produce light, several transformations must occur. Chemical energy must be converted into electricity, which in turn turns into light and heat energy. For a flashlight, the chemical energy conversion into light energy begins with energy switching from an energy source, usually a battery, to a light source. First of all, when energy converts its shape, when energy is lost as heat. In the case of flashlights using incandescent bulbs, most of their energy is lost in the form of heat during the operation of the bulb. As such, the first energy transformation comes from the battery itself, when the chemical energy found in the batteries turns into electricity. Given that the batteries did not directly support electricity, the conversion of the substance into electricity is necessary. As a rule, chemical energy transported by batteries is stored in connections containing chemical compounds together. Therefore, when you press or turn on the flashlight button, the chemical energy that is often stored in the flashlight batteries is replaced by electricity that passes through the flashlight wires. It should be noted that to store electricity, metal electrodes are used in batteries, which are set in chemical paste. As the oxidation of the electrode occurs, it ends with the spread of electrons. However, in some batteries the process is usually one way. The conversion of electricity to heat energy is the second transformation that occurs in the flashlight. For lamps equipped with a filament lamp, a vacuum-sealed glass chamber consisting of a thin wire filament, heating takes place when the power is released. At this point the electricity passes through the wire, the type of resistance takes place, so the bulb produce heat. Then the heat turns into light. The flashlight must be properly heated when using an incandescent lamp for the production of light until the filament appears bright white. This process is usually inefficient in energy. During the process, approximately 95% of the power used in the bulb is lost as unused heat and not lighting. Do not use plagiarized sources. Get Your Custom Essay on The Chemical Energy Light Energy Flashlight Only from \$10/Page Flashlight That Uses LED, not Incandescent Bulb Case, Heat Conversion to Light not needed because they release the light directly. Therefore, since LEDs do not require the light element to be produced, the energy conversion flashlight using LED moves directly from the power of the power light. Light is often due to electrons that receive energy from electric currents and produce energy by releasing light. Noticeably this is usually the same mechanism that is witnessed by incandescent bulbs. However, it tends to be more efficient, because the energy of light is focused on a certain wavelength. Convincingly, a flashlight using LEDs, the light energy is used for the bulb, which ends up becoming hot when it runs. As a result, the light energy part is converted into heat energy. What is roblox password roblox? Asked by Wiki UserDoes Jerry Seinfeld for Parkinson's Disease? When asked wiki userIf you are 13 years old when you were born? Asked wiki userWhat is hink pink 50 percent giggle? Asked wiki userWhat is hink-pink blue green moray? When asked wiki userWho is roblox 100000000 user? 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