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Lightin' Up The Sound

The projects materials were: 1 Plasma Ball, 1 Stereo, 1 Notebook, selection of music, a ruler/tape measure, a computer, a pen. This project used a stereo system in a room, and 8" Plasma Ball (lightning ball), and a laser pointer on a flashlight. the question was, "Does music and/or lasers change the look or the act of the lightning inside a plasma ball?" This project was found while looking for a Plasma ball for a gift. What was done in this project was, the ball was placed next to the speakers of the stereo and the ball and music turned on. The genres used were rock, country, classic rock, and some new pop/rap mixes. Also a laser was pointed directly at the ball in order to see if the ball is affected by the laser like when the ball is touched by a finger. This project tested the affects of sound and lasers on Plasma Balls. Because of prices a smaller ball was used. This project used various songs at various distances to test the sound. Along with the various songs, the volume is kept at a steady rate. The laser was also tested at various distances also. What was found was that the ball was affected up to two inches away with the sound, after that it was not affected. With the laser, the ball was affected only at three and four inches away. These results were recorded. That concludes this project.