We define “Confused Electrician games,” which generalize “Lights Out,” a game popular in mathematics literature. In addition to “Lights Out,” many more recent computer game puzzles can be modeled as Confused Electrician games. We provide examples of this, and explain how to solve such games using the Smith Normal Form of a matrix. We note that in many cases, using this method proves to be very efficient compared to another more obvious method. (Received September 17, 2015)