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## **The Mechanics of Lightning**

### **Authors**

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### **Abstract**

Lightning has mostly been considered a complex phenomenon linked to high class physics of static charge. The analogy of this complex phenomenon when linked to real life cases , the mere complexity reduces to zero.

When charge is represented by water amount, voltage by pressure and current by water flow , the lightning becomes a play of storage tank holding water and looking to ease out in case of excess pressure.

The cycle of evaporation and condensation can be easily related to analogy where clouds are tank of water that can be hold till it reached a threshold pressure after which it is released in terms of lightning i.e. water flow.

### **Topic Areas**

Lightning Physics, Characteristics and Measurements, Cloud Processes, Thunderstorm Electrification and Lightning

### **Submission Format**

No preference