**Noteguide for Simple Voltage - Videos 16H Name**

Definition:

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| ΔVe = Change in Voltage (Volts, V, J/C)  W = Work or PE (J)  q = Charge (C) | ΔVg = Change in Grav. Potential (J/kg)  W = Work or PE (J)  m = Mass (kg) |
| Example 1: Hans Full does 0.012 J of work on 630 μC of charge. What is the change in voltage? | Example 2: How much work would you need to move 34.0 kg from a gravitational potential of 12.0 J/kg to 67.0 J/kg? |

Whiteboards. (Note the order they are listed)

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| 1. Sandy Deck does 125 J of work on a 12.5 C charge. Through what voltage did she move it? (10.0 V) | 3. Myles Togo lifts a 5.00 kg mass increasing its potential energy by 135 J. Through what gravitational potential did he move it? (27.0 J/kg) |
| 2. Lila Karug moves a 120. μC charge through a voltage of 5000. V. How much work does she do? (0.600 J) | 4. Sally Forth moves a mass from 14.0 J/kg to 45.0 J/kg doing 267 J of work. What mass did she move? (8.61 kg) |