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ratio - teeth in
$$\frac{n_{in}}{n_{out}}$$

teeth out $\frac{n_{in}}{n_{out}}$

torque $\frac{T_{in}}{T_{out}} = \frac{2}{6} \frac{f+165}{f+165}$

$$rpm = \frac{\omega_{out}}{\omega_{in}} = \frac{0.33 \ rpm}{1 \ rpm}$$

$$just transfer affect$$

$$\sqrt[8]{24} = \frac{8}{32}$$

#4 Outline diff. betw renewable/non-ren. energy

Factors (65+ acces/6/1/1+y/Pollution/dangers/energy hydro

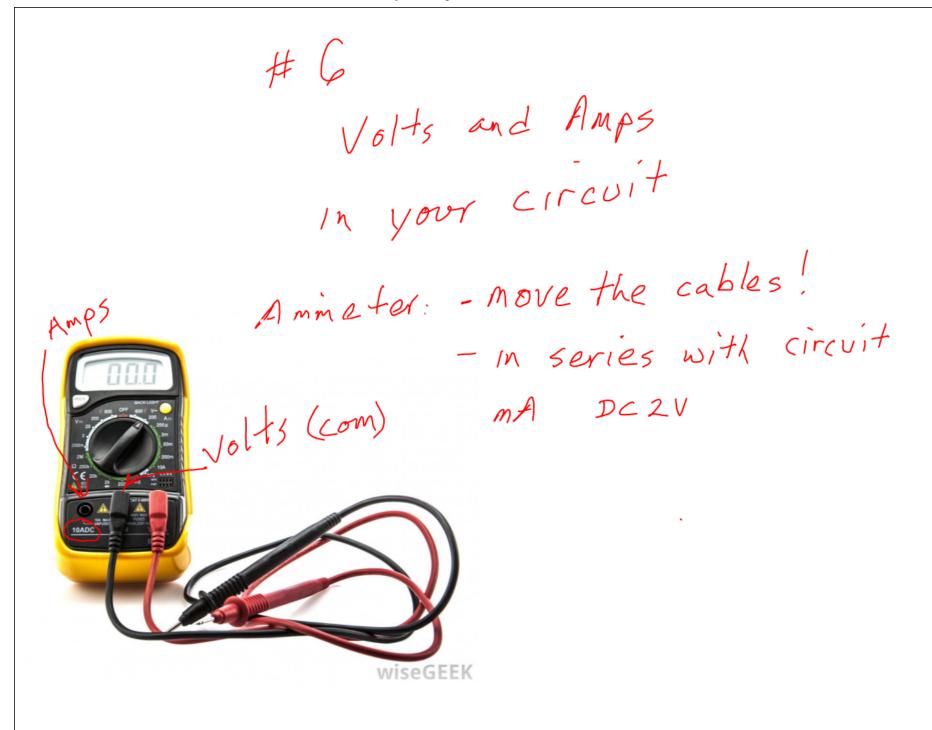
#5 Wire a circuit

Breadboard
resistor

LED

Wires
switch - for a 4
power supply - 15/3 V

Ser 1es 1ed a power 500 power



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#7 - Efficiency of Motor Powerout X100% Power in $P_{out} = \frac{mgh}{t_{ime}} = \frac{kg \times 9.8 \times meters}{seconds}$ = IV = corrent x voltage = Amps x Volts = W

#8 Voltage/Corrent through solar/hydrogen car

Not sure if I'll assess this one at all!

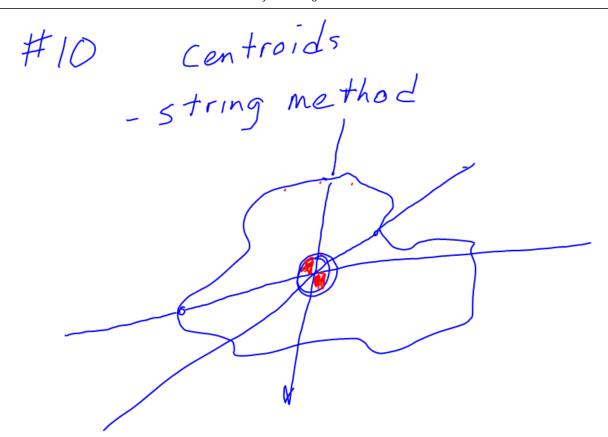
$$R - value$$

$$u = R = \frac{K}{L}$$

$$P = \frac{KAAt}{L}$$

$$k = \frac{PL}{AAt}$$

Probably will be heat flow problem, rather than R value



HIL Beam Deflection

Weight 165 x feet 1

FL-length of beam (in)

Amax = Heat 1

Helasticity 165/2 In 4

elasticity

#12 Code to turn Vex motor
at x rpm for t time