L2Q1	At what voltage would a 1nF capacitor have the energy to lift 100kg by 2cm?	200000	V	20	kV
L2Q2	How much energy is in the 42μF defibrallator capacitor charge to 5kV?	525	J		
L2Q3	What is the charge moved through a 9-V battery to provide 3J of energy?	1/3	C		
L2Q4	If a battery is labeled at 9-V and 500mAh, how much energy does it store?	16200	kJ	16.2	kJ
L2Q5	For how long can such a battery power an LED if it draws 50mA of current?	36000	s	10	hr
L2Q6	Find the diameter of one mile of Cu (ρ=1.7x10-8Ωm) wire when R=10Ω	0.00187	m	1.87	mm
L2Q7	If the resistance of one wirh is 10Ω, what is the resistance of two such wires in parallel?	5	Ω		
L2Q8	If a resistor of 100Ω is rated at 0.25W, what is its maximum current?	0.05	A	50	mA
L2Q9	What is the power dissipated by that resistor if there is a 6V drop across it?	0.36…it might burn up	W		
L2Q10	If a 9-V battery has a maximum current of 2A, what is its model contact R?	4.5	Ω		
L2Q11	When would you want to use a capacitor over a battery?	A.			