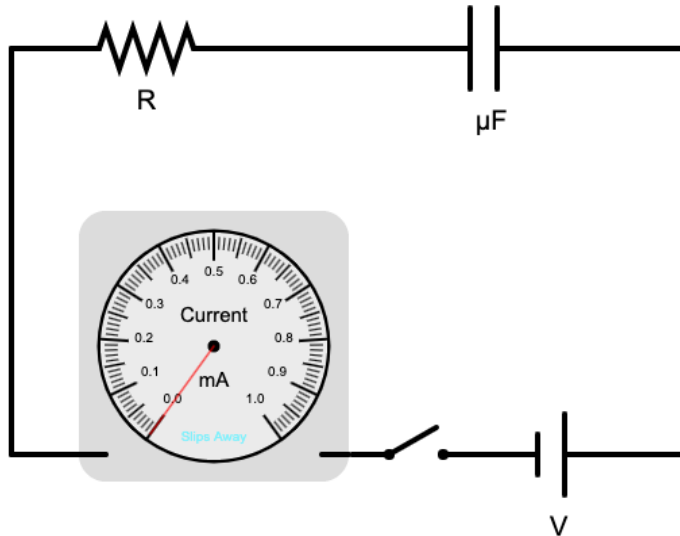


RC Series Circuit

Step 1: Fill in the voltage of the battery and the capacitance of the capacitor. Close your switch and draw the needle at the maximum current (when switch was first closed)



Step 2: Calculate the resistance of the resistor, show all calculations and explain why you used the numbers that you did

Step 3: Calculate the charge on the capacitor after a significant amount of time has passed. Show your calculation and explain why you used the numbers that you did. Enter your answers into your program to check that you did everything properly

Step 4: Do a quick sketch of what you think the current vs. time graph would look like. If you need to watch the charging process again, just click on the capacitor to discharge it