

Show that the current through the resistor

I = 1x10-5 A



Charging or discharging?

time, t, (s)

 

Capacitors

time, t, (s)

 Current, I, (A)

time, t, (s)

 Current, I, (A)

https://www.physicsscotland.co.uk/classes/higher-physics-cfe/capacitors

Relationship to determine charge for a constant charging current.

Description of experiments to investigate the variation of current in a capacitor and voltage across a capacitor with time.

Use of an appropriate relationship to solve problems involving capacitance, charge and

potential difference

Three relationships to calculate energy

Area under the graph is?

Label graphs appropriately

C=

 V=

Practical uses of capacitors include?

Area under a current-time graph represents.

Definition and purpose of a capacitor.

Define capacitance.

E=





 

