

youtube link:

<https://www.youtube.com/playlist?list=PL9d0aYfabaoAT80SUOf2CenZEvSfZjb3Q>

note: The “physical resistor” is only meant to serve as an example of a combination of (ideal) resistors and capacitors. I do not consider the physical resistor itself to be an essential concept. Same goes for the charging of the junction of two physical resistors. I discuss them for two reasons:

1. You can see a natural situation where we might encounter an RC circuit.
2. You can see circuit problem solving and reasoning applied in a variety of situations.

For exams you will want to know how a resistor and capacitor connecting in series are charged by voltage source (see the lecture 16 notes, as well as the “recap” video in the playlist), and how a resistor and capacitor connected in parallel are charged by a current source (video 2 in the playlist).