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Topics Capacitor Capacitance Circuits Description Explore how a capacitor works! Change the size of the plates and add a dielectric to see how it affects capacitance. Change the voltage and see charges built up on the plates. Shows the electric field in the capacitor. Measure voltage and electric field. Sample Learning Goals Determine

the relationship between charge and voltage for a capacitor ...

EQUIPMENT PhET Interactive Simulation Tool Circuit ...

Procedure: Adjust the demonstration capacitor so that the two plates are approximately 4.0 mm apart. This can be most easily done moving the upper plate through the vertical green arrow. To start, drop a voltmeter and connect both of its terminals directly to the terminals of the capacitor such that the red wire is connected at the upper plate and the black at the bottom one.

Capacitor Lab: Basics Simulation | Capacitor Lab: Basics ...

Q is the maximum charge that can be stored on the capacitor, and is given by $Q = C \Delta V$ (2) $T = RC$ (3) Where C is the capacitance of the capacitor, and ΔV is the applied potential across the capacitor ($= c$ volts).

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Electricity, Magnets & Circuits - PhET Simulations

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PHET Interactive Simulations: Capacitor Lab | WCED ePortal

1 Capacitors Capacitors In this experiment, you will investigate fundamental properties of capacitors. A capacitor is a device that stores charge. PROCEDURE 1. Properties of a capacitor. In this experiment you will use a Java simulation to investigate fundamental properties of a parallel plate capacitor. Find the simulation on the PhET site:

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