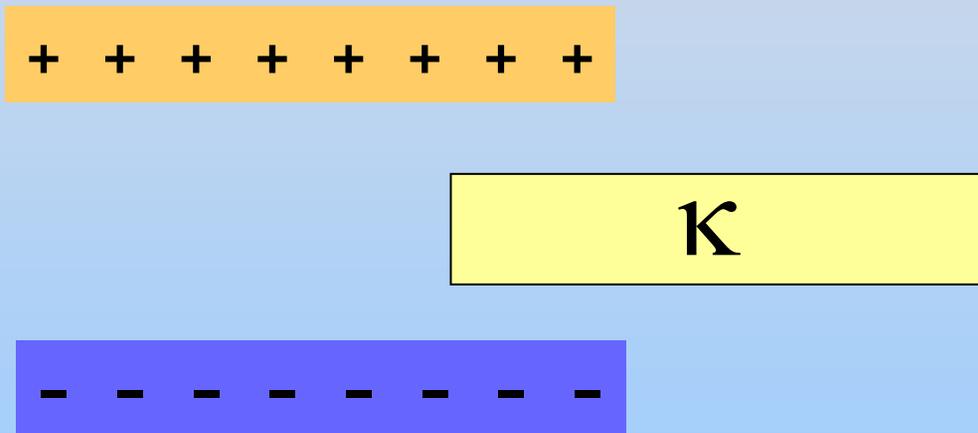


# Concept Question: Dielectric

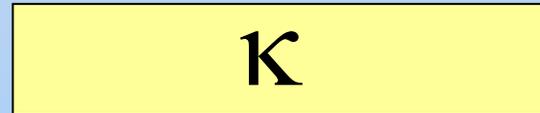
A parallel plate capacitor is charged to a total charge  $Q$  and the battery removed. A slab of material with dielectric constant  $\kappa$  is inserted between the plates. The **charge** stored in the capacitor



1. Increases
2. Decreases
3. Stays the Same

# Concept Question: Dielectric

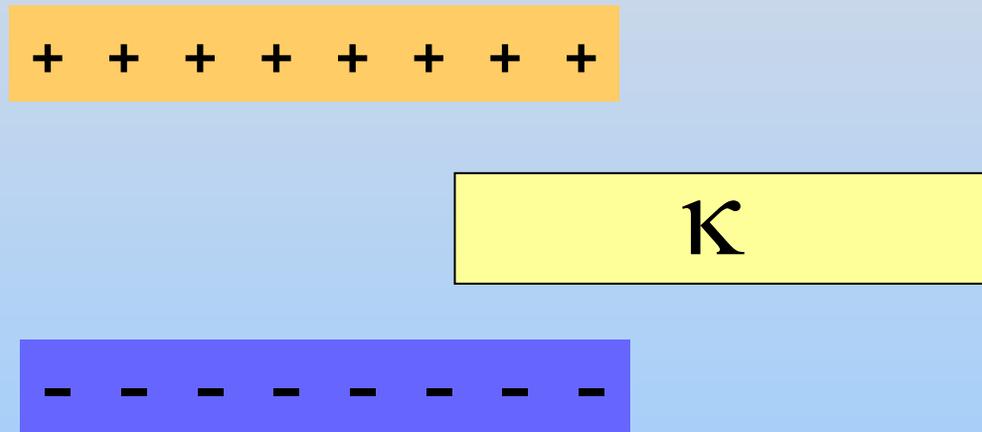
A parallel plate capacitor is charged to a total charge  $Q$  and the battery removed. A slab of material with dielectric constant  $\kappa$  is inserted between the plates. The **energy** stored in the capacitor



1. Increases
2. Decreases
3. Stays the Same

# Concept Question: Dielectric

A parallel plate capacitor is charged to a total charge  $Q$  and the battery removed. A slab of material with dielectric constant  $\kappa$  is inserted between the plates. The **force on the dielectric**



1. pulls in the dielectric
2. pushes out the dielectric
3. is zero

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