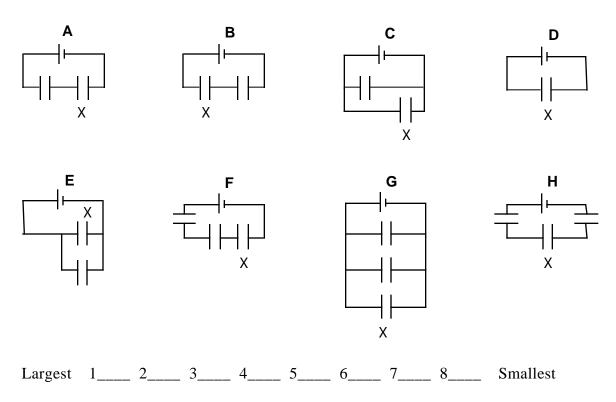
Basic Circuits with Identical Capacitors—Charge on a Capacitor 159

Shown below are eight capacitor circuits. All of the capacitors are identical, and all are fully charged. The batteries are also identical. In each circuit, one capacitor is labeled X.

Rank these circuits in terms of the charge on capacitor X. That is, put first the circuit in which capacitor X has the largest charge, and put last the circuit in which capacitor X has the smallest charge. If two or more circuits result in identical charges on capacitor X, give these circuits equal ranking.



Or, all of these capacitors have the same charge on them. _____

Please carefully explain your reasoning.

How sure were you of your ranking? (circle one)

 Basically Guessed
 Sure
 Very Sure

 1
 2
 3
 4
 5
 6
 7
 8
 9
 10