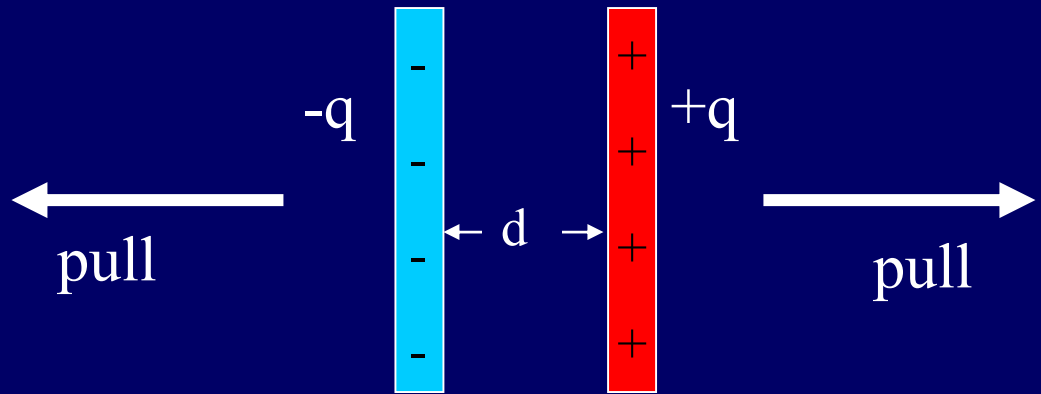


Preflight 4.1



A parallel plate capacitor given a charge q . The plates are then pulled a **small** distance further apart. Which of the following apply to the situation after the plates have been moved?

- | | | |
|---|------|-------|
| 1) The capacitance increases | True | False |
| 2) The electric field increases | True | False |
| 3) The voltage between the plates increases | True | False |