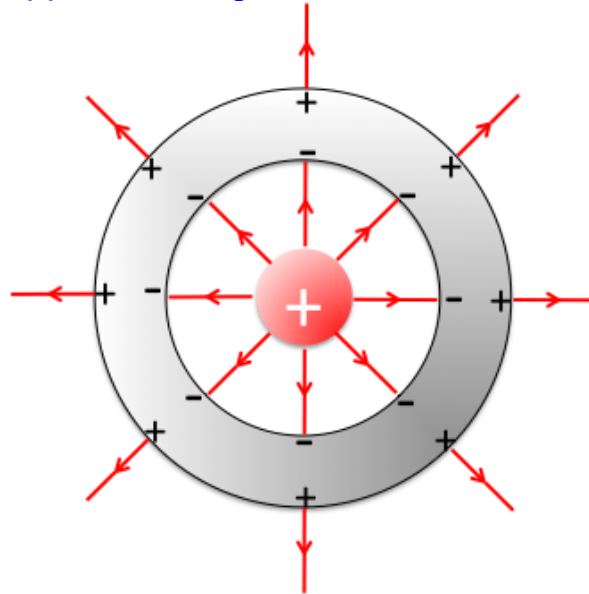


Section 16.9 Electrical Fields and Conductors

1. Within a conductor **charges are free to move**. If an external electric field is encountered by the conductor **then the charges within the conductor move until they are close to their opposite charge**.



2. There is no electric field within the conductor itself. **The charges that moved are now located on the surface of conductor**. This is how electric shielding of a device can be accomplished.

