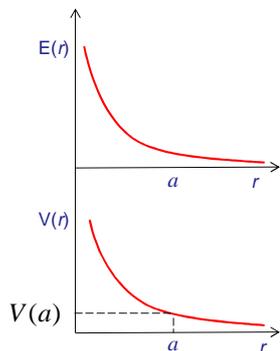
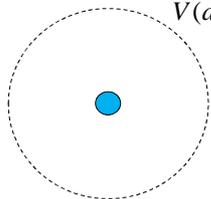
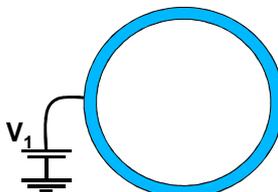


### Carga puntual Q

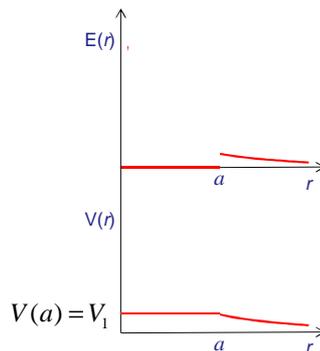
$$V(a) = \frac{1}{4\pi\epsilon_0} \frac{Q}{a}$$



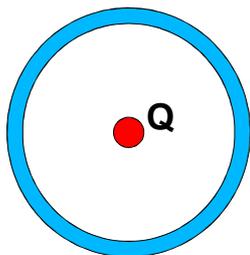
### Esfera a potencial V1



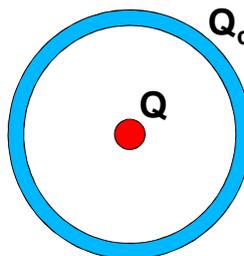
Una esfera conductora de radio  $a$  conectada a un potencial  $V_1$  genera en los  $r > a$  un  $E$  y un  $V$  iguales al que genera una carga puntual  $Q_{V1} = V_1 4\pi\epsilon_0 a$



#### Cascarón esférico neutro

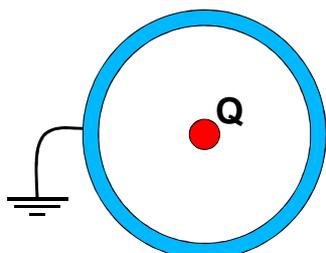


#### Cascarón esférico cargado



$q$   
 $\sigma$   
Vint  
Vout

#### Cascarón esférico puesto a tierra



#### Cascarón esférico puesto a potencial V1\*

