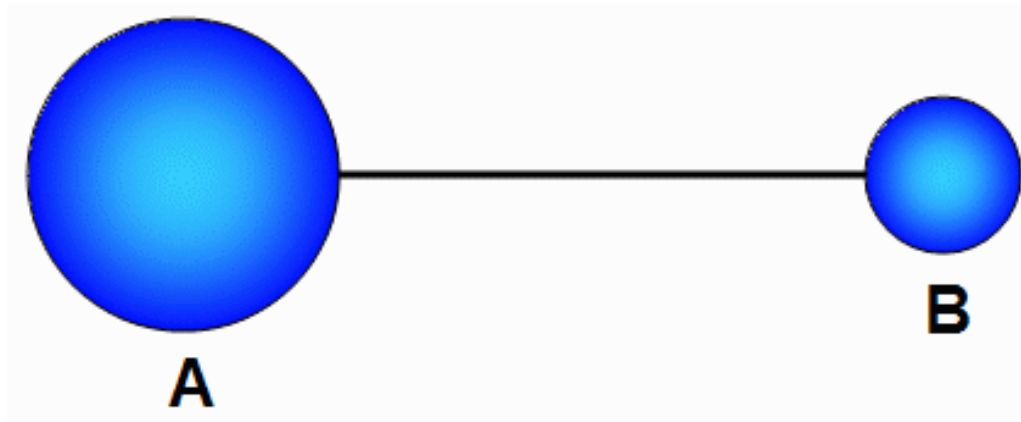


# CheckPoint 1c

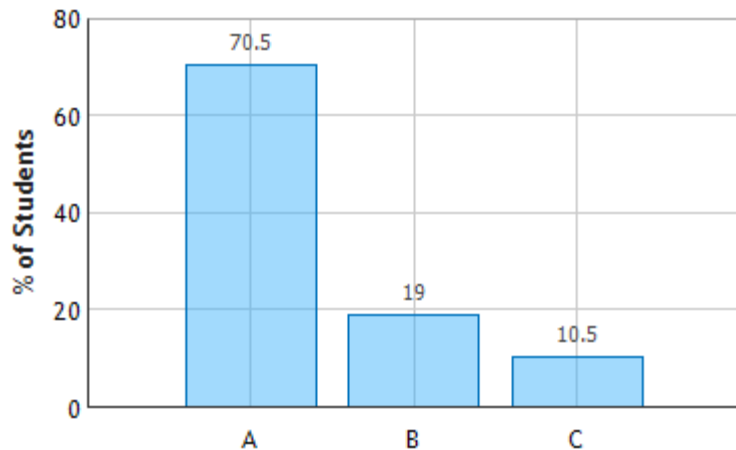


What happens to the charge on sphere A when the wire is attached

A)  $Q_A$  increases

B)  $Q_A$  decreases

C)  $Q_A$  does not change



“Because the spheres will have the same potential, and the potential is given as  $kq/R$ , the radius of the sphere, then the charge will redistribute so that the potentials are equal. This means that the larger sphere will accumulate charge, while the small charge will give it up.”