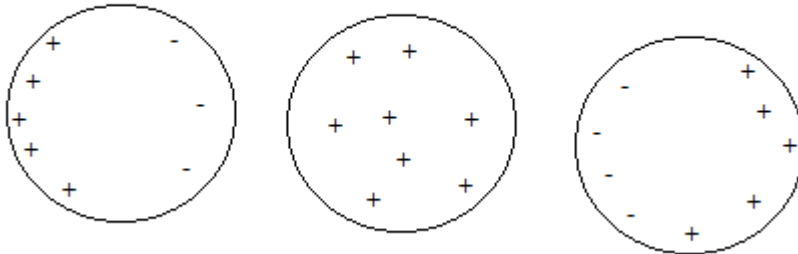


### Answer on Question #74279-Physics-Electromagnetism

1. A positively charged sphere is brought near to two neutral spheres. Indicate the charge distribution on both of the neutral spheres either in words or by drawing plus and minus signs within the neutral spheres.

**Answer**



2. A conducting sphere has a charge of +10 coulombs. A similar but neutral sphere is brought in contact with it.

- What is the charge on each of the spheres once they touch?
- Which particles are transferred and which way do they flow?

**Answer**

- +5 coulombs.
- Electrons. From neutral sphere to positive sphere.

3. A conducting sphere A has a positive charge. Two neutral conducting spheres, B and C, are brought close to A. as shown. (Note that B and C are touching, unlike the case in question #1.)

In the end,

- B becomes positive and C negative
- B becomes negative and C positive
- both B and C remain neutral

**Answer: c. both B and C remain neutral.**

Answer provided by <https://www.AssignmentExpert.com>