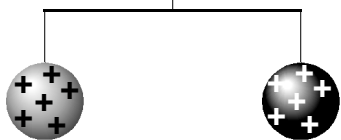


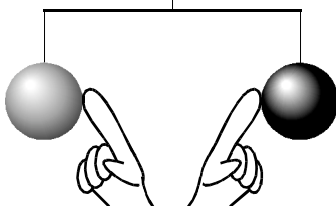
PhyzJob: Balancing Charges 2



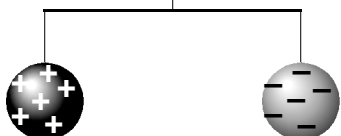
In each cases 1 and 2, two bodies are shown in *delicate* balance. Next, something happens to them. Show the result in terms of charge and in terms of the balance of the system.



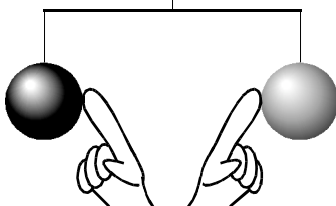
1. Copper ball, rubber ball—both positive.



Both are touched.



2. Positive rubber ball, negative copper ball.

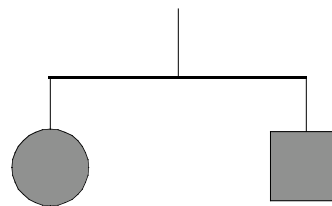


Both are touched.

The arrangements in cases 3 and 4 were *not* initially balanced. But after the square was touched, they *did* balance. **Show and describe** different, possible initial conditions. (The initial condition in case 4 must be different from the initial condition in case 3.)

3. _____

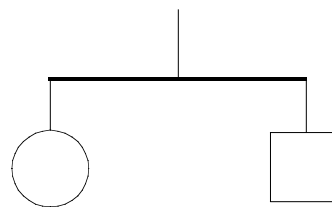
The square is touched.



The objects now balance.

4. _____

The square is touched.



The objects now balance.