Name: Period:

Honors and Conceptual Physics: HW: Electrostatics III

1. A balloon has been previously charged by friction, and now has a net charge of -7.
    a. If you bring that balloon close to a conductor with a net charge of zero, what happens to the electrons in the conductor?

    b. What if the conductor is also connected to ground?

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    a. If you bring that balloon close to a conductor with a net charge of zero, what happens to the electrons in the conductor?

    b. What if the conductor is also connected to ground?

    c. If you disconnect the conductor from ground, then remove the balloon, will the conductor have a

positive, negative, or zero net charge?

d. If instead, the conductor was NOT connected to ground and you touched it with the balloon, what would happen?

e. In the case of part (d), will the conductor have a positive, negative, or zero net charge?

c. If you disconnect the conductor from ground, then remove the balloon, will the conductor have a positive, negative, or zero net charge?

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