Name ______________________ Date ______________

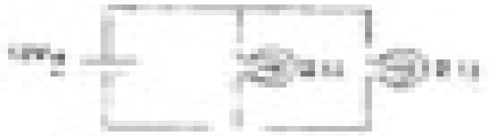
Parallel Circuits

[illegible]

[illegible]

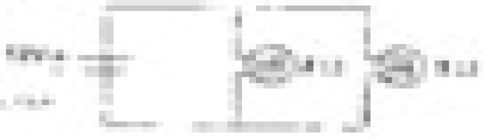
[illegible]

1. Use the parallel circuit pictured right to answer questions (a – d).
   - a. What is the voltage across each bulb?
   - b. What is the current in each branch?
   - c. What is the total current provided by the battery?
   - d. Use the total current and the total voltage to calculate the total resistance of the circuit.



2. Use the parallel circuit pictured right to answer questions (a – d).
   - a. What is the voltage across each bulb?
   - b. What is the current in each branch?
   - c. What is the total current provided by the battery?
   - d. Use the total current and the total voltage to calculate the total resistance of the circuit.

3. Use the parallel circuit pictured right to answer questions (a – d).
   - a. What is the voltage across each resistor?
   - b. What is the current through each resistor?
   - c. What is the total current provided by the battery?
   - d. Use the total current and the total voltage to calculate the total resistance of the circuit.



4. Use the parallel circuit pictured right to answer questions (a – c).
   - a. What is the voltage across each resistor?
   - b. What is the current in each branch?
   - c. What is the total current provided by the battery?