

Tasks for 6/14/17

Physics

You can and should work in groups to accomplish these tasks! Your goal is individual understanding, but you can work together to learn from your classmates. You can work through these tasks in any order.

1. Complete the 2nd part of the preliminary lab: design and build a circuit powered by 5V that will run one LED at 15 mA and one LED at 11 mA. Use the resistors in the small rectangular plastic container (all 200 Ohms or less; combine as needed).
2. Work through at least the first two circuits in the “More Circuits to Solve” assignment posted to the website.
3. For the circuit at the front of the room, use your meter to measure the total current and the resistance and voltage drop of each resistor.

Remember there will be a test Monday – you’ll need to be able to solve a circuit (find I and V for a theoretical circuit like in the “More Circuits to Solve” assignment) and use a meter to make measurements of current, voltage, and resistance.