1. Goal: Determine the "necessary" diameter of the wires if assumed to be copper. 2. Set resistivity control all the way to the left (tiny).

PhET – Simulated DC Circuits "Lab" – How realistic?!

- Design an experiment based on observed resistance to determine the diameter of the wires and assess whether or not the material is ohmic.
- 4. Assume the batteries are standard AA cells (with magical voltage!), which have length precisely 5.00 cm and outer diameter 1.35 cm.
- 5. Time permitting: Try activating battery resistance how does the number of ohms manifest itself in the circuit

Time permitting: How realistic are the light bulbs?