

Name: _____

Period: _____

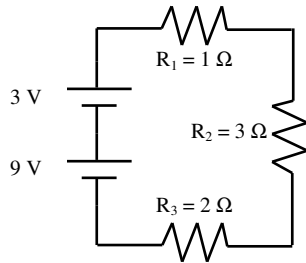
HW Unit 9:10—Review for Test
Mr. Murray, IPC
cstephenmurray.com

A-day: Due Fri., 4/13 (Assig: 4/11)
B-day: Due Mon., 4/16 (Assig: 4/12)

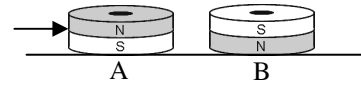
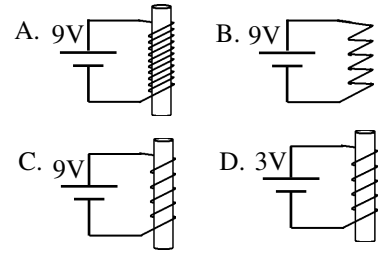
- An object has a charge of 9 C.
 - Is it positive or negative?
 - Did it gain or lose electrons?
 - If it touches ground, will electrons go to or come from ground?
 - What charge will it be after it touches ground?
- If a 2 C object is near a -3 C object, will they attract or repel?
- If something has a lot of resistance is it a good insulator or a good conductor?
- If a battery is hooked up to a light bulb and the light bulb doesn't light up, is it a closed or open circuit?
- Will electricity flow between these objects?



- Are these resistors in series or in parallel?
- What is V_T ?
- What is R_T ?
- What is I_T ?
- What is the total power used by the whole circuit?
- What is the current flowing thru the 3 Ω resistor?
- What is the voltage used by the 3 Ω resistor?



- Use the electromagnets to answer which is strongest?
 - Magnet A or B?
 - Magnet A or C?
 - Magnet C or D?
 - Magnet D or B?
- “Work in, Electricity out.” - is this a Generator or Motor?
- When magnets move they cause what?
- If you push on the Magnet A (the arrow), will Magnet B move closer or move away?



- Are these resistors in series or in parallel?
- What is V_T ?
- What is V across the 6 Ω resistor?
- What is $I_{6\Omega}$?
- What is $I_{9\Omega}$?
- What is I_T ?
- What is the total power used by the whole circuit?

