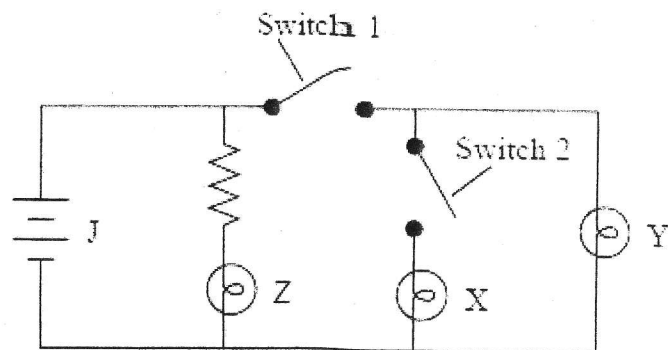


MCAS OPEN RESPONSE #4: ELECTROMAGNETISM

A circuit with three identical light bulbs is shown in the diagram below.



- a. Identify the symbol labeled J in the circuit.
- b. Describe what each light bulb does in each of the following situations:
- when switches 1 and 2 are open
 - when switches 1 and 2 are closed
 - when switch 1 is open and switch 2 is closed
 - when switch 1 is closed and switch 2 is open