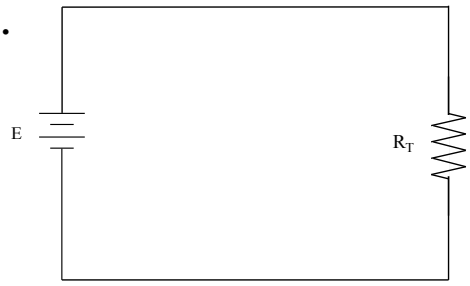
Series Circuit Worksheet #1

Meets NATEF Task: (A6-A-2) Diagnose electrical/electronic integrity for series, parallel, and series-parallel circuits using principles of electricity. (Ohm's Law).

Name _____ **Date** _____ **Time on Task** _____

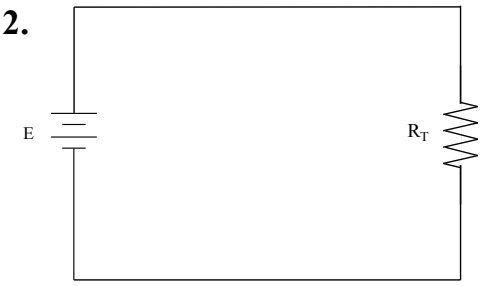
Make/Model _____ **Year** _____ **Evaluation: 4 3 2 1**

1.



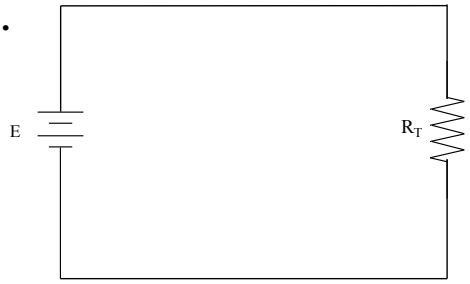
E = 12 volts
I_T = 3 amperes
R_T = _____

2.



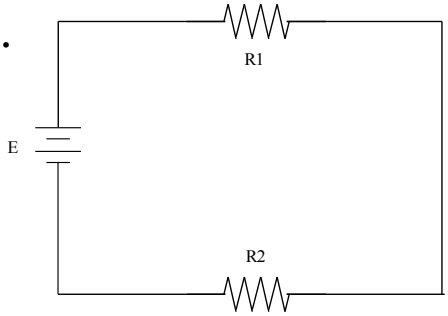
E = 12 volts
I_T = _____
R_T = 3 ohms

3.



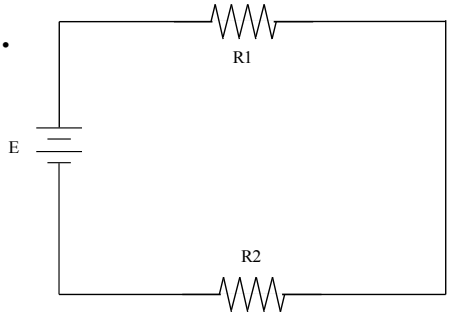
E = _____
I_T = 3 amperes
R_T = 4 ohms

4.



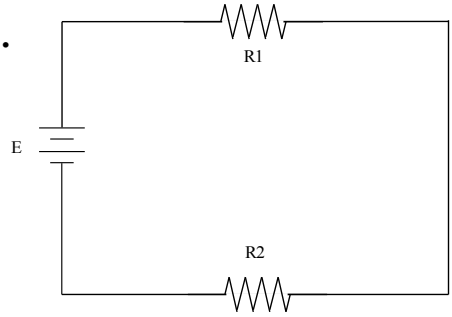
E = 12 volts R2 = 1 ohm
I_T = _____
R1 = 1 ohm

5.



E = _____ R2 = 3 ohms
I_T = 2 amperes
R1 = 3 ohms

6.



E = 12 volts R2 = _____
I_T = 3 amperes
R1 = 3 ohms