

## LAB 4 PRE-LAB

1. Ohm's law is conventionally expressed by the formula  $V = IR$  or, equivalently,  $I = V/R$ . In this formula,

a.  $I$  is

Inductance.	Identity.	Impulse.
Current.	Voltage.	Resistance.
Charge.	Impedance.	Capacitance.

b.  $V$  is

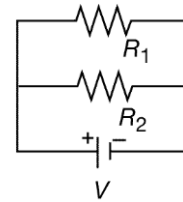
Volume.	Velocity.	Voodoo.
Voltage.	Power.	Charge.
Resistance.	Current.	Value.

c.  $R$  is

Current.	Position.	Rate.
Power.	Resistance.	Charge.
Electric field.	Voltage.	Residue.

2. When two resistors bridge the poles of a voltage source in parallel, what property of both must be the same? (Select one.)

- The current passing through each resistor.
- The voltage across each resistor.
- The power dissipated by each resistor.
- The resistance of each resistor.



3. When two resistors bridge the poles of a voltage source in series, what property of both must be the same? (Select one.)

- The current passing through each resistor.
- The voltage across each resistor.
- The power dissipated by each resistor.
- The resistance of each resistor.

