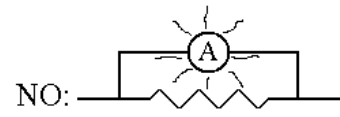
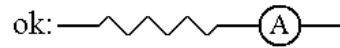


Important: Never put
an ammeter in parallel:



Part 1a:

Value printed on resistor = _____

V	I
0	0
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

(attach graph.)

Compute R from data:

Part 1b:

V	I
0	0
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

(attach graph.)

Compute R near start of graph :

Compute R near end of graph :

Part Two:

$$m_{\text{cup}} =$$

$$m_{\text{cup+water}} =$$

$$m_{\text{water}} =$$

$$V =$$

$$I =$$

$$T_i =$$

$$T_f =$$

$$t =$$

Calculations: (Please show how you calculated each number, not just the answer.)

Electric power of heater:

Heat produced,

in water =

in cup =

total =

Rate heat was delivered to cup:

