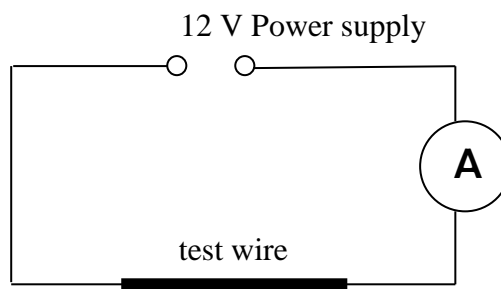


ELECTRICITY HOMEWORK 3

1.
 - a. Draw the symbol for a resistor. 1
 - b. What is the unit for resistance? 1
 - c. If the resistance of a circuit is increased, what effect does this have on the current flowing in the circuit? 1
 - d. What wires have greater resistance, long or short? 1
 - e. What wires have greater resistance, thick or thin? 1
 - f. In the following circuit, 2 test wires are used in turn. One is short and thick, the other is long and thin.



Which test wire will give the biggest current on the ammeter? Explain your answer. 2

2. State 3 ways in which you can increase the strength of an electromagnet. 3