## **Quiz 20.1E**

A 12-Volt battery is connected to a circuit as shown below. R1 = 1.3 Ohms, R2 = 2.2 Ohms, R3 = 3.6 Ohms, R4 = 4.1 Ohms.

- a) What is the equivalent resistance of the circuit?
- b) What is the current passing through resistor R4?
- c) If R2 is removed from the circuit, does your answer to (b) increase, decrease or remain the same? Justify your answer.

