

P7.3 - Electricity quiz

Quiz set by Ms. T. wint for Year 7/7TB/Sc

1) Which of the following would increase the resistance?

- A longer wire
- Removing a bulb from the circuit
- Adding a shorter wire
- Adding a wider wire

2) Which of the following is not true?

- Current is measured using an ammeter
- Current will be lower if you add more bulbs to a circuit
- Current is used up in a series circuit
- Current is shared in a series circuit

3) Which statement is correct - In a series circuit.....

- Bulbs will get brighter the closer to the battery they are
- Bulbs will get brighter the further from the battery they are
- Bulbs will all be of equal brightness
- The first bulb in a circuit is brighter than the second

4) If 2 cells are being placed into a circuit how should they be arranged?

- So that a positive and a negative end are together
- It doesn't matter, the current will still flow
- So that a negative and a negative end are together
- So that a positive and a positive end are together

5) What must you be careful of when using bare wire in a circuit?

- It will become brittle when passing a current through it
- It will get hot when a current passes through it
- It will go very cold when a current passes through it
- There are no hazards because wire is an insulator

6) Which of the following is not required for a current to flow?

- Conducting material
- A power supply
- A complete circuit
- A bulb

7) If the current in a series circuit is 0.25A with one cell, how many cells will you need in total to increase the current to 0.75A

- Three
- Two
- Four
- Five

8) What would happen to the current if you added a bulb into a circuit

- It would decrease because the resistance has increased
- It would decrease because the resistance has decreased
- It would increase because the resistance has increased
- It would stay the same

9) In an investigation, what is an independent variable?

- The one that you change
- The one that you keep the same
- The hypothesis
- The one that you measure

10) In an investigation, what is a dependent variable?

- The one that you measure
- The one that you keep the same

- [] The one that you change
- [] The hypothesis



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