

Electricity Assessment



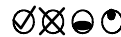
Marking Instructions

- Use a No. 2 pencil or a blue or black ink pen only.
- Do not use pens with ink that soaks through the paper.
- Make solid marks that fill the response completely.
- Make no stray marks on this form.

CORRECT:



INCORRECT:

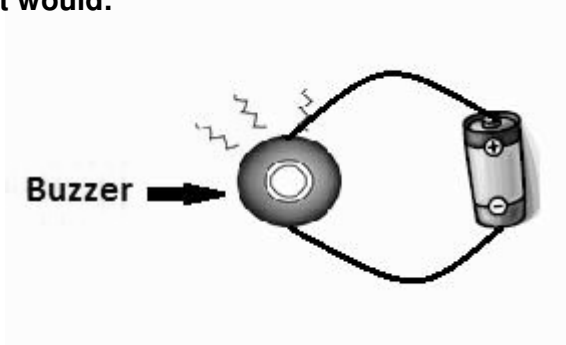


Name: _____ Date: _____

For each question below, fill in the bubble for the **BEST** answer.

1. The picture below shows a circuit with a battery connected to a buzzer with wires. The circuit is making a noise. Energy flowing through the circuit would:

- (A) use up all the sound energy.
- (B) change from light energy into sound energy.
- (C) change from sound energy into electrical energy.
- (D) change from electrical energy into sound energy.



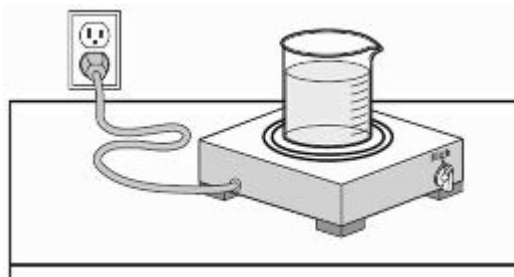
The picture below shows a glass of water being heated on a hot plate. Energy is changing from one form to another. Use this information to answer questions 2 and 3.

2. At first, the energy is in what form?

- (A) plug
- (B) heat
- (C) cold
- (D) electricity

3. What form does the energy change into?

- (A) heat
- (B) water
- (C) electricity
- (D) hot plate



PLEASE DO NOT WRITE IN THIS AREA



[SERIAL]

4. What is the name for any material that electricity can easily flow through?

- Ⓐ a wire
- Ⓑ a current
- Ⓒ an insulator
- Ⓓ a conductor

5. Any material that electricity can NOT easily flow through is called:

- Ⓐ rubber
- Ⓑ a switch
- Ⓒ an insulator
- Ⓓ a conductor

6. Which of the following is an electrical conductor?

- Ⓐ cloth
- Ⓑ glass
- Ⓒ copper
- Ⓓ all of these

When a light bulb is turned on, energy changes from one form to another.

7. At first, the energy is in what form?

- Ⓐ plug
- Ⓑ light
- Ⓒ darkness
- Ⓓ electricity

8. What form does the energy change into?

- Ⓐ light
- Ⓑ lamp
- Ⓒ light bulb
- Ⓓ electricity

9. Electricity:

- Ⓐ is used up by a battery.
- Ⓑ can move through an open switch.
- Ⓒ can move through a closed circuit.
- Ⓓ all of the above.

10. When an electric fan is running, MOST of the incoming electricity changes into which kind of energy?

- Ⓐ heat energy
- Ⓑ light energy
- Ⓒ mechanical energy
- Ⓓ sound energy

11. Which of the following is an electrical insulator?

- Ⓐ cloth
- Ⓑ glass
- Ⓒ rubber
- Ⓓ all of the above

12. Electricity can easily flow through:

- Ⓐ an insulator.
- Ⓑ an open switch.
- Ⓒ a closed switch.
- Ⓓ a schematic diagram.