

# 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:** ●

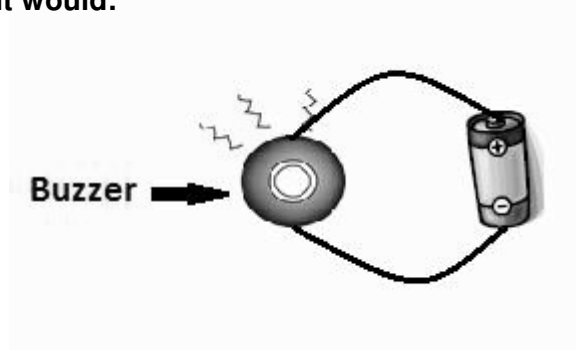
**INCORRECT:** ○ ⊗ ⊙ ⊖ ⊕

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:

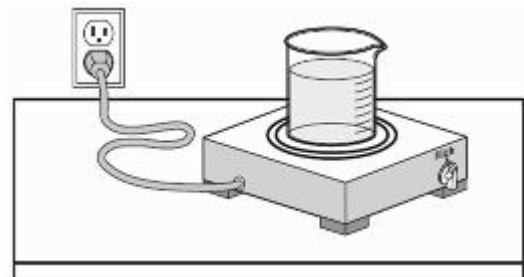
- Ⓐ use up all the sound energy.
- Ⓑ change from light energy into sound energy.
- Ⓒ change from sound energy into electrical energy.
- Ⓓ change from electrical energy into sound energy.



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?

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



3. What form does the energy change into?

- Ⓐ heat
- Ⓑ water
- Ⓒ electricity
- Ⓓ 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 a wire                       C an insulator  
 B a current                       D a conductor

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

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

6. Which of the following is an electrical conductor?

- A cloth                       C copper  
 B glass                       D all of these

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

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

- A plug                       C darkness  
 B light                       D electricity

8. What form does the energy change into?

- A light                       C light bulb  
 B lamp                       D electricity

9. Electricity:

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

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

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

11. Which of the following is an electrical insulator?

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

12. Electricity can easily flow through:

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