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.

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

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INCORRECT: ❌❌❌❌
CORRECT: ⬜

Name:________________________________________________     Date:___________________
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 these