

- 30** A fine mist of oil droplets is sprayed into air. As the oil droplets leave the nozzle of the spraying device they can become electrically charged.

What is **not** a possible value for the charge on an oil droplet?

- A** zero
- B**  $1.0 \times 10^{-19} \text{ C}$
- C**  $4.8 \times 10^{-19} \text{ C}$
- D**  $8.0 \times 10^{-19} \text{ C}$

- 31** In the circuit shown, find the total current in the bulb with the highest resistance.