

Content Practice A**LESSON 3*****Describing Circuits***

Directions: On the line before each statement, write T if the statement is true or F if the statement is false. If the statement is false, change the underlined words(s) to make it true. Write your changes on the lines provided.

- _____ 1. Electric circuits can have one or multiple paths. _____
- _____ 2. In an open path, electric current stops flowing. _____
- _____ 3. The basic parts of an electric circuit include the source of energy, electric devices, and parallel circuits. _____
- _____ 4. In a series circuit, electric current flows along a single path.

- _____ 5. One type of energy transformation by an electric device is electric energy transformed to thermal energy. _____
- _____ 6. Adding a fan and an electric light to a parallel circuit decreases the electric current flowing in the circuit. _____
- _____ 7. A series circuit can be broken or open. _____
- _____ 8. A parallel circuit can have two or more branches. _____
- _____ 9. Wall switches in a home are used to open or close electric circuits.

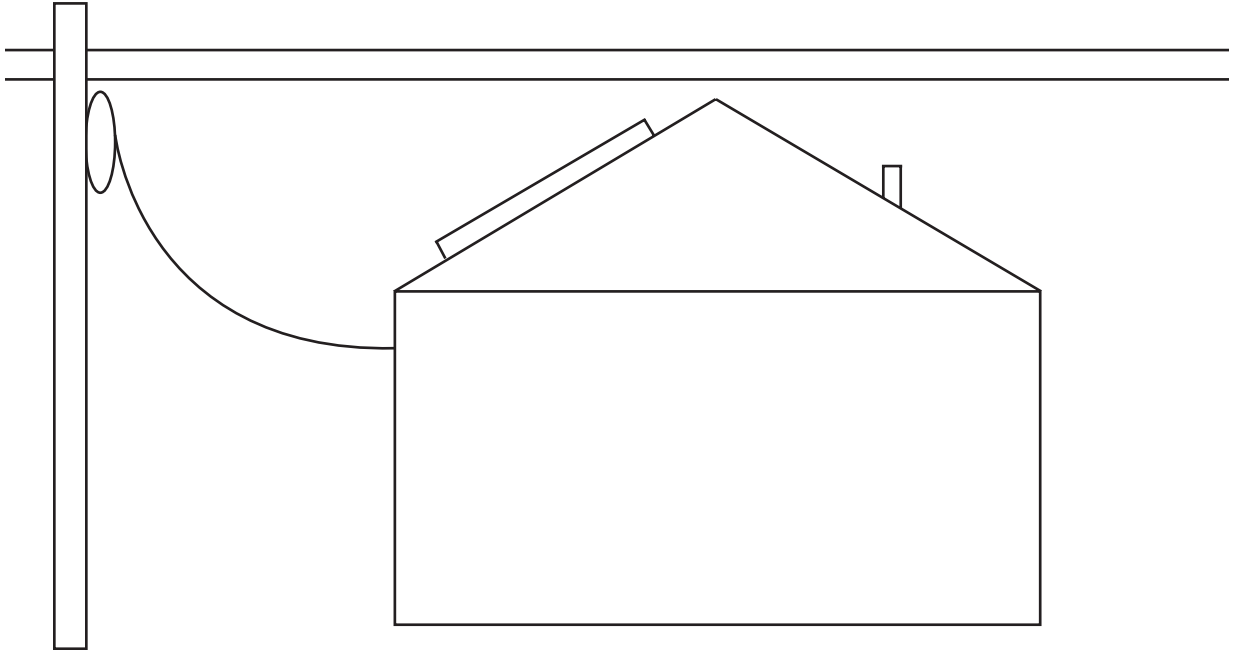
- _____ 10. The turning of a fan is an example of the transformation of electric energy to light energy. _____
- _____ 11. A battery can serve as a source of chemical energy. _____
- _____ 12. Never touch a downed electric wire. _____

Content Practice B

LESSON 3

Describing Circuits

Directions: Think of the type of energy transformations that are found in a house. Then add a parallel circuit to the diagram. Divide the house into as many rooms and room uses as you prefer. Label where circuits are open and closed in the house.



Directions: Answer each question or respond to each statement on the lines provided.

1. How could electric current to the entire parallel circuit you created be lost?

2. What is the source of electric current for your parallel circuit?

3. Give one example of an energy source that could provide electric current if the main source of electric energy fails. _____

4. **Identify** three devices that cause energy transformations in the home.

5. **Identify** an electrical safety precaution that everyone should remember.
