

III

Thunder and lightning always go together because thunder is the sound that lightning makes. Thunder always comes after lightning. When a thunderstorm is far away, you see the lightning but you don't always hear the thunder.

Thunderstorms usually happen in places where the weather is hot. Do you know the temperature of lightning? It is close to 30,000 degrees Celsius! When you see lightning, count until you hear the thunder. Three seconds is about one kilometer. So, if you count to six, the storm is about six kilometers away. But if you only count one or two seconds before you hear thunder, the storm is very close. Take care!

Directions: Choose the best answer based on the text.

1. Why might you see lightning but not hear the thunder?

- A) Sound travels faster than light.
- B.) Light travels much faster than sound.
- C) Thunder only happens in freezing weather.

2. What does the "3 seconds = 1 km" rule help you calculate?

- A). The distance of the storm.
- B) The temperature of the lightning.
- C) The speed of the wind.

3. Why does thunder always follow lightning?

- A.) Sound is slower than light, creating a delay.
- B) Lightning is created by the sound of thunder.
- C) Thunder waves always start before the flash.

4. What does a long delay between the flash and the sound mean?

- A) The storm is dangerously close.
- B.) The storm is far away.
- C) The storm has completely ended.

5. Which statement is true according to the passage?

- A) Lightning has a very low temperature.
- B) Thunderstorms only happen during the winter.
- C). You can use the sound and flash to measure storm distance.