

### Did you know...?

Flashes of **lightning** are electrical charges between the **clouds** and the **Earth** or between **clouds**. These charges are very dangerous because they can contain millions of **volts** of electricity.

The **light** produced by a flash of lightning travels at **300,000 kilometers** per **second**, but **sound** travels at only **340 meters** per **second**. This is why we see flashes of lightning before we hear the thunder.



#### HOW FAR AWAY IS THE STORM?

After you see a flash of **lightning**, **count** the number of **seconds** until you **hear** the **thunder**. (Use a **stopwatch** or **count** "One-Mississippi, Two-Mississippi, Three-Mississippi," etc.) For every 5 **seconds** the storm is one mile away. **Divide** the number of **seconds** you count by **5** to get the number of miles.

<b>PROBLEM:</b>	You see a flash of lightning. You start counting, 1 Mississippi, 2 Mississippi, 3 Mississippi, etc... When you get to 35 Mississippi, you hear thunder. How far away is the storm. Complete the information below.		
<b>SOLUTION:</b>			
<b>MILES:</b>	—	<b>KILOMETERS:</b>	— . — — —