

When Lightning Strikes 800 Where You

Lightning is an awe-inspiring natural phenomenon that has fascinated humans for centuries. The sheer power and beauty of a lightning strike can leave us in awe, but also remind us of the potential dangers that come with it. In this article, we will explore the effects of lightning strikes, the science behind them, and the precautions we can take when lightning strikes near us, specifically focusing on when it strikes within 800 meters of our location.

When a lightning strike occurs within 800 meters of where you are, it is considered a close strike. At this distance, the sound of thunder is almost instantaneous, and the risk of a direct hit becomes significantly higher. Lightning can strike several miles away from a thunderstorm cloud, so even if it seems far away, it is important to be cautious.

The Science Behind Lightning Strikes

Before diving into the precautions, let's understand the science behind lightning strikes. Lightning is a massive surge of electricity that occurs during a thunderstorm. It is a result of the buildup of electrical charges within a cloud or between a cloud and the ground.



When Lightning Strikes (1-800-Where-R-You Book

1) by Meg Cabot(Kindle Edition)

★★★★☆ 4.6 out of 5

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Enhanced typesetting : Enabled

Word Wise : Enabled

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Item Weight	: 11.2 ounces
Dimensions	: 6 x 0.7 x 9.5 inches



When the electrical charge becomes strong enough, a discharge occurs. This discharge travels through the atmosphere, creating a visible flash of light that we perceive as lightning. The accompanying thunder is caused by the rapid expansion and contraction of air around the lightning bolt.

One of the most surprising aspects of lightning is its temperature. A typical lightning bolt can heat the surrounding air to approximately 30,000 Kelvin, which is greater than the surface temperature of the sun. This intense heat causes the surrounding air to expand rapidly, creating the booming sound we hear as thunder.

The Effects of Lightning Strikes

When lightning strikes within 800 meters of your location, it can have various effects, both immediate and long-term. The most immediate and direct effect is the risk of a direct hit. A direct lightning strike can cause severe injuries, or in worst cases, fatalities.

Aside from the immediate danger of a direct hit, lightning can also cause secondary effects. One such effect is the electrical surge that can occur during a lightning strike. This surge can travel through power lines, telephone lines, and plumbing systems, damaging electronic devices and appliances in its path.

Furthermore, lightning strikes can also start fires. When lightning hits a tree or a building, the intense heat can ignite flammable materials, leading to potentially

devastating fires. These fires can cause significant damage to properties and endanger lives.

Precautions to Take When Lightning Strikes Near You

When lightning strikes within 800 meters of your location, it is crucial to take immediate precautions to ensure your safety. Here are some steps you can follow:

1. **Seek shelter indoors:** Move to a sturdy building or a fully enclosed vehicle as soon as possible. Avoid open structures, tall trees, and metal objects that could conduct electricity.
2. **Stay away from water:** Avoid swimming, bathing, or using plumbing fixtures during a thunderstorm. Lightning can travel through water, and you could be at risk of electrical shock.
3. **Avoid electrical sources:** Unplug electronic devices and avoid using landline phones or showering during a thunderstorm. This will help protect you from potential electrical surges caused by lightning.
4. **Stay informed:** Monitor weather forecasts or use weather apps to stay updated on thunderstorm activity in your area. This will allow you to take necessary precautions in advance.
5. **Teach lightning safety to children:** Educate children about the dangers of lightning and teach them to seek shelter when lightning is nearby. Encourage them to stay indoors until the storm has passed.

When lightning strikes within 800 meters of your location, it is crucial to prioritize your safety. By understanding the science behind lightning strikes and taking necessary precautions, you can minimize the risks associated with this powerful

natural phenomenon. Remember, your safety is of utmost importance, so always be prepared and stay informed to protect yourself and those around you.



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Fire in the sky

Just because her best friend wants to exercise, Jessica Mastriani agrees to walk the two miles home from their high school. Straight into a huge Indiana thunderstorm.

And straight into trouble.

Not that Jess has never been in trouble before. Her extracurricular activities, instead of cheerleading or 4-H, include fistfights with the football team and monthlong stints in detention -- luckily, sitting right next to Rob, the sexiest senior around.

But this trouble is serious.

Because somehow on that long walk home, Jessica acquired a newfound talent.

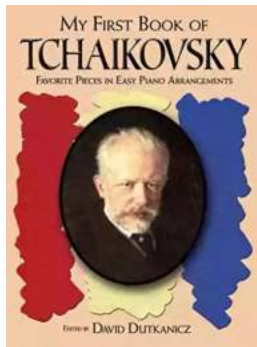
An amazing power that can be used for good...or for evil.

Run, Jessica. Run.



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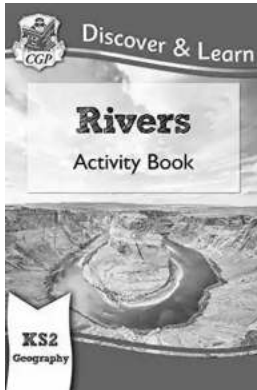
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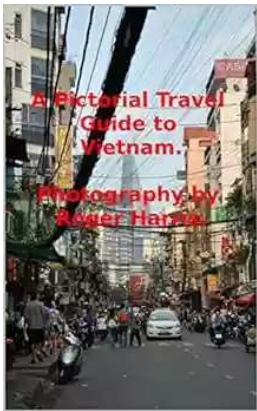
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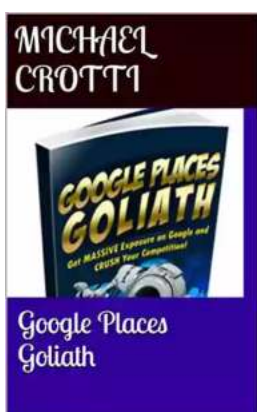
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