



nature

INVESTIGATION CARD

A dark moonless night is the best time for firefly watching. Whether it's in your backyard or the woods, go and search for fireflies. Fireflies use bioluminescence to light up. The light happens when a naturally occurring chemical in their body, luciferin, mixes with oxygen! Did you know that different species of fireflies have different flash patterns they use to communicate with each other? Use your **flashlight** and the **firefly flash pattern sheet** and see if you can mimic some of the fireflies you see, and try to communicate with them! Before you leave, complete the **journal** activity linked by the QR Code to learn all about them. Did you know that the glow of fireflies will be a different color for each species? Can you find the different colors? Are you able to see the different flash rates? Using the **binoculars** to spot fireflies far away could be helpful!

BOOK # 11



By Shana Keller
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