

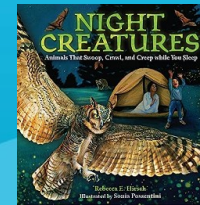


# nature

## INVESTIGATION CARD

Go outside at dusk when it starts to get dark. There are different animals out at dusk and nighttime than there are during the day. Use your listening sense. What can you hear? You might be able to hear frogs croaking, crickets chirping, or even a coyote or owl! As it starts to get darker, you might see 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! To learn more about how YOU can help fireflies, scan the QR code. Did you know our eyes have structures called rods and cones? Animals that need to see color in daylight have more cones, animals active at night have more rods! Let your eyes adjust to the dark and look at your printed color sheet to try to guess the colors of each shape. It may be hard since you are using your rods at night, which can not detect colors!

## BOOK # 6



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