



Activity 6

Record Evidence Like a Scientist

Firefly Light Show

Have you ever seen a firefly? Why do you think they light up? **Read** the text to learn about firefly behavior and an interesting art show. Consider what you have already learned about adaptations and senses. How does this scenario add to what you know? When you finish, respond to the questions in writing.

Do you see the light show in the photo? It is set in the mangroves of Thailand, but the lights are not produced by humans. They are produced by thousands of fireflies. Fireflies produce a chemical reaction inside their bodies that allows them to light up.



Photo Credit: inigolai-Photography / Shutterstock.com

Fireflies are not flies at all. They are actually winged beetles that flash to warn off predators or to attract a mate. Fireflies naturally flash at regular intervals, but if there is another firefly flashing nearby, they will interrupt their own pattern and start over again to match the other firefly.

How are senses used by the firefly?

How have humans used light to communicate with others in sending and receiving information?



Activity 7

Evaluate Like a Scientist

What Do You Already Know About Communication and Information Transfer?

You learned how animals have adapted to use their senses, such as hearing and sight to gather information from the world around them.

Now, you will learn how humans and other animals use sound and light to communicate and share information.

Animals and Humans

Think about what you already know about how humans and other animals communicate. As you prepare to further investigate communication and transfer of information, think about how communication is similar and different in animals and humans.

Read the list of ways people and animals communicate. **Classify** each type of communication in the table as animal (A), human (H), or both (B). Think of two more examples to complete the table.

Type of Communication	Animal (A) or Human (H) or Both (B)
Displaying light	
Writing	
Echolocation	
High-pitched sound	
Mobile phone	
An e-reader	