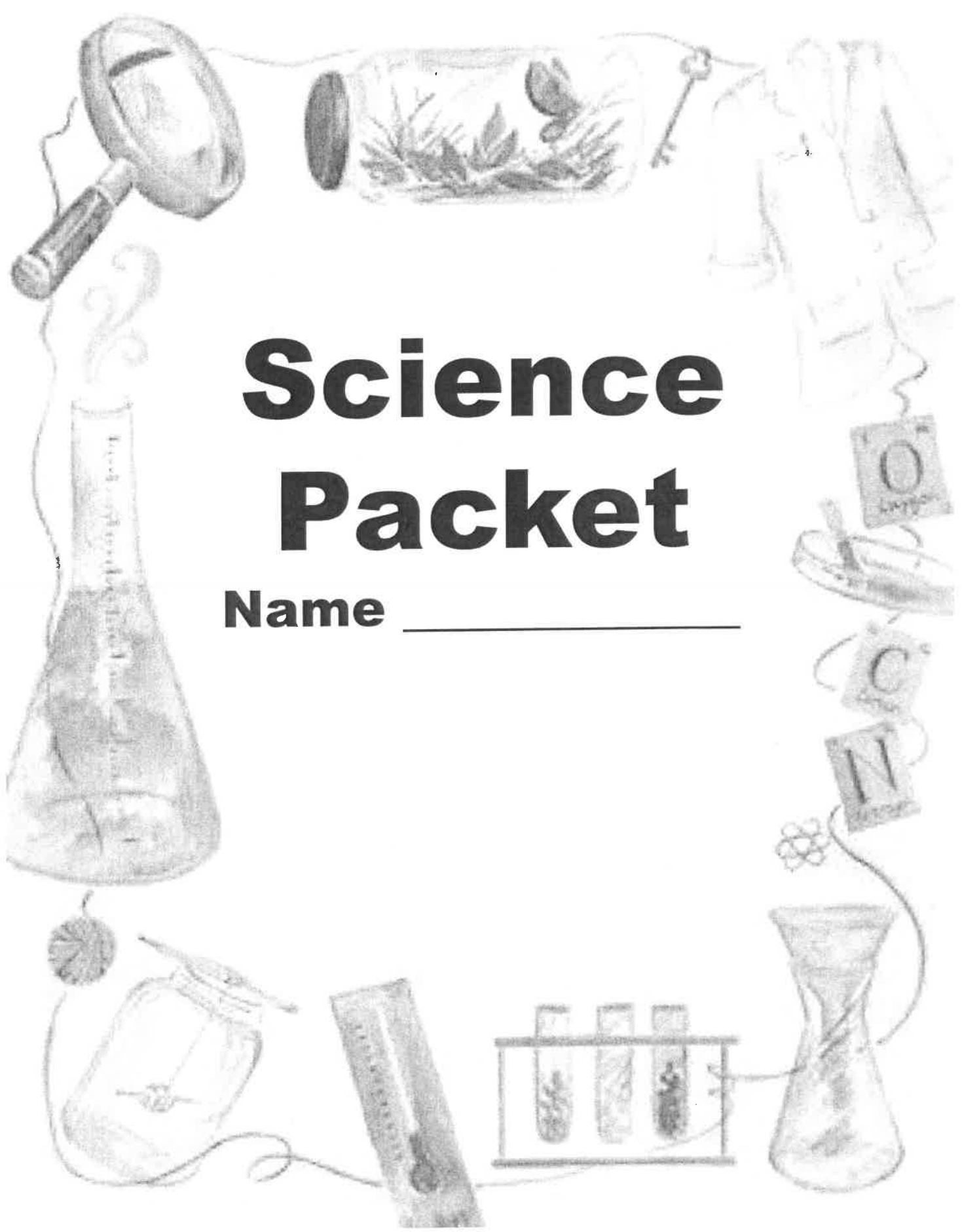




Science Packet

Name _____

READ, LOOK BACK, AND RESPOND!

Paired Passages:

Each topic includes an informational and fiction passage. High-interest passages help you to easily integrate science and social studies into your reading plans!

Build Fluency with Repeated Readings

Students are encouraged to re-read the text for understanding and fluency. Students use the stars at the end of the passage to keep track of their readings.

Read & Look Back:
Engage readers with an interactive format to look back into the text for evidence! Students will have fun using their crayons to highlight text-based evidence to enhance comprehension!

Read & Respond:
Students practice written response comprehension questions on a variety of skills and standards.

The Beach

Read the passage on the left 3 times to practice fluency. Color a star at the end of each passage you read. Then, complete the comprehension tasks on the right.

The Beach

A beach is made up of loose rocks, shells, or sand that gather at the shore of a large body of water. The waves from the water wash up onto the beach. The waves carry material from the water onto the beach, such as shells and sand. The shape of the beach is formed by waves as the water washes in and out. The waves form gentle slopes along the shore.

Many people have fun at the beach. Building a sandcastle is a popular activity at the beach. Other activities include fishing, finding seashells, swimming, and taking walks along the shore. It is important to protect the beaches by throwing trash away. Keeping the beach clean will protect the creatures that live on the beach.

Read and Look Back:

☐ Use a yellow crayon to highlight the text that states what a beach is made up of.

☒ Use an orange crayon to highlight the text that states two things the waves do to the beach.

☒ Use a red crayon to highlight four activities people do at the beach.

Read and Respond:

Why is it important to keep the beach clean?

It is important to keep the beach clean in order to protect the creatures on the beach.

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Name _____ Date _____

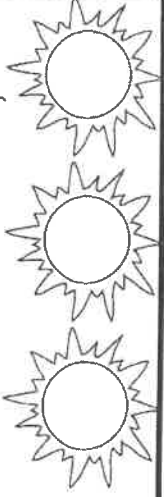
Oceans

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Oceans

Oceans cover more than 70% of the Earth's surface! The oceans are very important to our planet. They are connected to temperature and weather. The oceans absorb, or take in, the sun's heat. The ocean water is always moving, so the heat is distributed around the planet. This heat energy heats up the land and air during the winter. It also helps to cool the land and air in the summer.

The oceans are home to many plants and animals. Some examples of sea life include dolphins, sharks, fish, coral, seaweed, and lobsters. The ocean contains saltwater. The largest ocean is the Pacific Ocean. Other oceans include the Atlantic, Arctic, Southern, and Indian Oceans.



Read and Look Back:



Use a yellow crayon to highlight the text that tells what percentage of Earth is covered by oceans.



Use an orange crayon to highlight three examples of ocean life within the text.



Use a red crayon to highlight the name of the largest ocean on Earth.

Read and Respond:

How do the oceans heat up the land and the air in the winter?

Name _____

Date _____

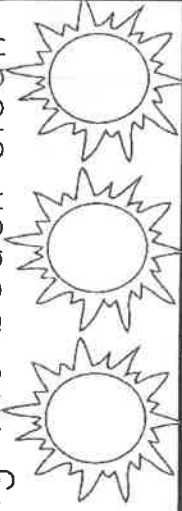
The Beach

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☐

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☐

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☐

Use a red crayon to highlight four activities people do at the beach.

Read and Respond:

Why is it important to keep the beach clean?

Name _____ Date _____

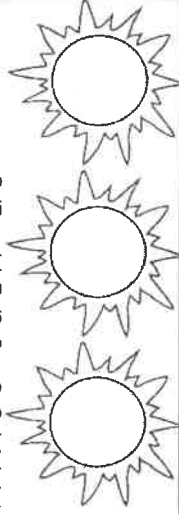
Summer

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Summer

Summer is one of the four seasons. The summer season comes after spring. Unlike winter, summer days are longer and the weather is warmer. Summer is the warmest time of the year because the Earth's axis is tilted toward the sun. As a result, it is important to stay safe in the summer by wearing sunscreen. The sunscreen will protect skin from harmful rays. Drinking plenty of water will also help people stay safe during hot weather.

The summer season is one of the most popular seasons for vacations. Trips to the beach are popular in the summer. Many students have a break from school in the summer. People enjoy outdoor activities such as barbecues, swimming, and camping.



Read and Look Back:



Use a yellow crayon to highlight two ways summer days are different from winter days.



Use an orange crayon to highlight the text that describes why summer is the warmest time of the year.



Use a red crayon to highlight three popular activities during the summer.

Read and Respond:

How can you stay safe during the summer season?

Name _____

Date _____

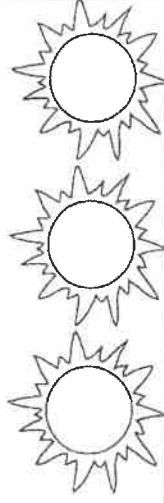
Fireflies

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Fireflies

The firefly is a type of beetle. Fireflies mostly live in forests and fields. They love humid and warm environments. They also live near a water source such as a stream, river, lake, or pond. Fireflies spend the day sleeping, usually on the ground and in the long grasses. They are nocturnal, which means they are awake and active at night.

At night, a chemical reaction causes fireflies to produce a "light." Many scientists believe fireflies produce the light to send a message to predators that says "I do not taste good!" The flashing light is also a way that fireflies communicate, or talk to one another, as they are finding a mate. Fireflies are beautiful and interesting insects!



Read and Look Back:

☐

Use a yellow crayon to highlight the text that tells about a firefly's habitat.

☐

Use an orange crayon to highlight two reasons fireflies produce a glowing light.

☐

Use a red crayon to highlight the sentence in this passage that is an opinion statement.

Read and Respond:

Write a question you still have about fireflies.

Name _____ Date _____

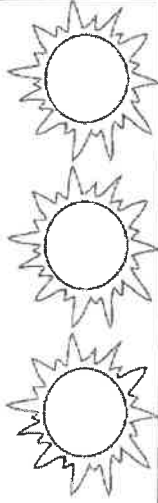
Ice Cream

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Ice Cream

Ice cream is a frozen treat that is a popular dessert among people. The frozen dessert is made from dairy products such as milk and cream. Ice, sugar, and flavoring are also added. Different toppings such as sprinkles, chocolate syrup, and cherries are often put on top of the ice cream.

Before refrigerators were common in houses, ice cream was only eaten on special occasions. Also, before factories and machines were invented, people churned, or stirred, ice cream by hand. Today, the United States makes more ice cream than any other country. In addition, Sunday is the most popular day to eat ice cream! Ice cream is a delicious treat that many people like to eat!



Read and Look Back:



Use a yellow crayon to highlight the text that tells what ice cream is made of.



Use an orange crayon to highlight the text that states why ice cream was only eaten on special occasions in the past.



Use a red crayon to highlight the text that states the most popular day people eat ice cream.

Read and Respond:

What is the main idea of this passage?

Name _____

Date _____

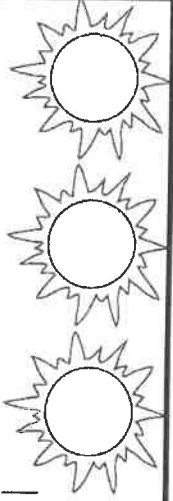
Lobsters

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

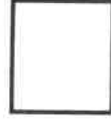
Lobsters

A lobster is a **crustacean**. A crustacean is a shellfish. Lobsters are related to shrimp and crabs. They live in the ocean and have large claws. The claws are used for tearing, crushing, and digging. The lobster also uses his large claws to protect himself against predators. As a lobster grows, it sheds its shell. This process is called molting. While the lobster is waiting for its new shell to harden, it hides on the ocean floor. Seals and large fish hunt lobster for food.

Lobsters eat small fish, mollusks, and even other lobsters. Lobsters can vary in color. However, when they are boiled, all lobsters turn red. Did you know a lobster left alone in a tank will eat itself? Now that is interesting!



Read and Look Back:



Use a yellow crayon to highlight the text that states what a crustacean is.



Use an orange crayon to highlight what a lobster uses its claws for.



Use a red crayon to highlight what a lobster does as it waits for its new shell to harden.

Read and Respond:

Write an interesting fact you learned about lobsters!

Name _____

Date _____

Crabs

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Crabs

A crab is an **invertebrate**. An invertebrate is an animal without a backbone. Like lobsters and shrimp, a crab is a crustacean. Crabs are usually tan, white, or brown. This helps them blend into the sand around them. Crabs have ten legs. The first pair of legs are claws. The claws are used to catch prey. Crabs eat both plants and animals. They eat seaweed, snails, and worms.

Crabs can live in salty and fresh water. Most crabs prefer shallow waters. While lobsters can walk backwards, crabs walk and swim sideways! Crabs live in groups. They work together to stay safe and catch food. Just like lobsters, people like to eat crab, too. Crab legs are a popular seafood meal. Crabs are interesting animals!



Read and Look Back:

☐

Use a yellow crayon to highlight the text that tells what an invertebrate is.

☐

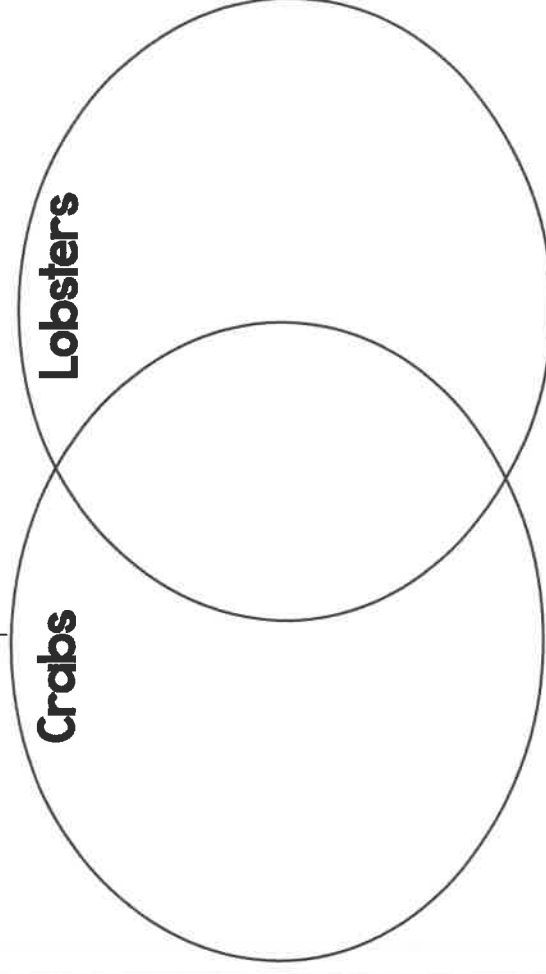
Use an orange crayon to highlight one way crabs protect themselves.

☐

Use a red crayon to highlight the text that tells where crabs can live.

Read and Respond:

Compare & Contrast



Name _____

Date _____

Swimming

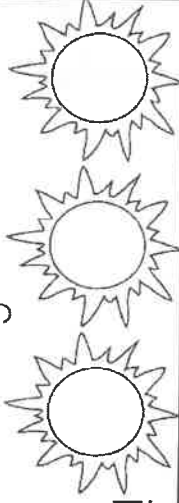
Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Swimming

It is important to keep yourself and others safe while swimming! It is very fun to go swimming, but it can also be very dangerous. Here are some ways to stay safe.

First, never swim alone. Have an adult or a lifeguard with you and watching you while you swim. Lifeguards are trained to help swimmers if they are in danger. Next, only dive off of a diving board. Never jump or dive into shallow water.

It is also important to obey, or follow, the pool rules when you are swimming. Never run around a pool because you could slip and fall. Do not push or jump on others in or around the pool. Swimming can be a great way to exercise, but you need to stay safe!



Read and Look Back:

☐

Use a yellow crayon to highlight the main idea sentence in this passage.

☐

Use an orange crayon to highlight the first safety tip the author gives in this passage.

☐

Use a red crayon to highlight the text that tells what a lifeguard does.

Read and Respond:

What is the author's purpose for writing this passage?

Name _____

Date _____

Camping

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

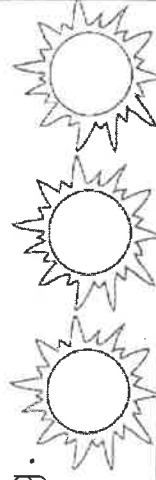
Camping

Camping is a great way to enjoy nature, spend time with family and friends, and have fun outdoors. Camping often takes place in the woods or at a campground. However, it can also take place in your backyard! A tent and sleeping bags are often used for sleeping. It is a good idea to bring a flashlight when you go camping. The flashlight can help you see when it gets dark. Always camp with a group of people and make sure an adult is with you.

There are many fun activities to do when camping. Hiking is a fun outdoor activity. Many people also have campfires. Marshmallows are fun to roast over a campfire.

S'mores are also a yummy treat to make while camping.

Camping is a fun outdoor activity!



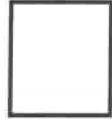
Read and Look Back:



Use a yellow crayon to highlight three places people can go camping.



Use an orange crayon to highlight one important thing to take with you when you camp.



Use a red crayon to highlight two activities people can do when they camp.

Read and Respond:

Why do people go camping? (Find the answer in the text.)

Name _____

Date _____

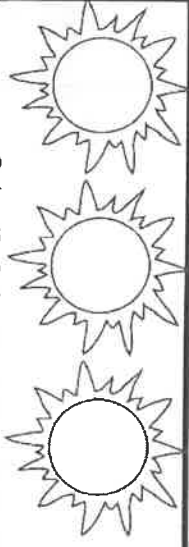
Independence Day

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Independence Day

Independence Day is a holiday celebrated every year on July 4th. In fact, Independence Day is also known as the Fourth of July. It is a holiday celebrated in the United States of America. Independence Day celebrates the freedom we have in America. On this day, people all over the country remember the day that America gained freedom from Great Britain.

To celebrate Independence Day, many people have barbeques and cookouts with family and friends. It is a federal holiday, so many businesses close and people have the day off from work. Communities around the country have parades. Red, white, and blue are used to decorate and celebrate the American flag.



Read and Look Back:

☐

Use a yellow crayon to highlight the text that states why the United States celebrates Independence Day.

☐

Use an orange crayon to highlight two things people do on Independence Day.

☐

Use a red crayon to highlight the colors that are used to represent Independence Day.

Read and Respond:

Cause & Effect: Why do many businesses close on Independence Day?

Name _____

Date _____

Dolphins

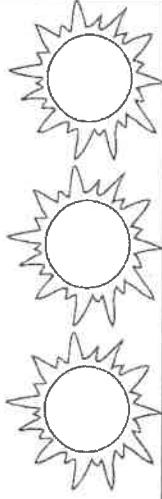
Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Dolphins

Dolphins are mammals that live in the ocean. They are **carnivores**, or meat eaters. Fish and squid are common things dolphins eat. Dolphins are very smart animals. They communicate with each other by whistles and clicking sounds.

Dolphins live in *pod*s, or groups, of up to 12 dolphins. They love to play and can often be seen jumping out of the water. Dolphins cannot breathe underwater. They get air through their blowhole when they come to the surface to breathe.

Since dolphins are mammals, they do not lay eggs. Dolphins give birth to their babies underwater. A baby dolphin is called a calf. The male dolphin is called a bull. The female dolphin is called a cow. Dolphins are friendly animals!



Read and Look Back:

☐

Use a yellow crayon to highlight the text that describes how dolphins communicate with one another.

☐

Use an orange crayon to highlight the text that states what a *pod* is.

☐

Use a red crayon to highlight the name of a male dolphin.

Read and Respond:

What is a **carnivore**? Use the text to answer the question in a complete sentence.

Name _____

Date _____

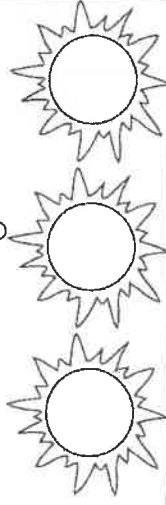
Sharks

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Sharks

A shark is a fish that does not have any bones. A shark's skeleton is made up of **cartilage**. Cartilage is a tough, flexible tissue that is in human ears and noses. Sharks have been around for many years, even before the dinosaurs lived! They are found in oceans all over the world. Some types of sharks live in freshwater, too. The Bull Shark can live in rivers and lakes.

Sharks have excellent hearing. They also have a great sense of smell. Sharks have very sharp teeth. They also have many rows of teeth. When one tooth falls out, another tooth pushes forward. Like dolphins, sharks are **carnivores**, or meat eaters. Some sharks are dangerous. Others, like the *basking shark*, are harmless!



Read and Look Back:



Use a yellow crayon to highlight the name of the tissue that a shark's skeleton is made up of.



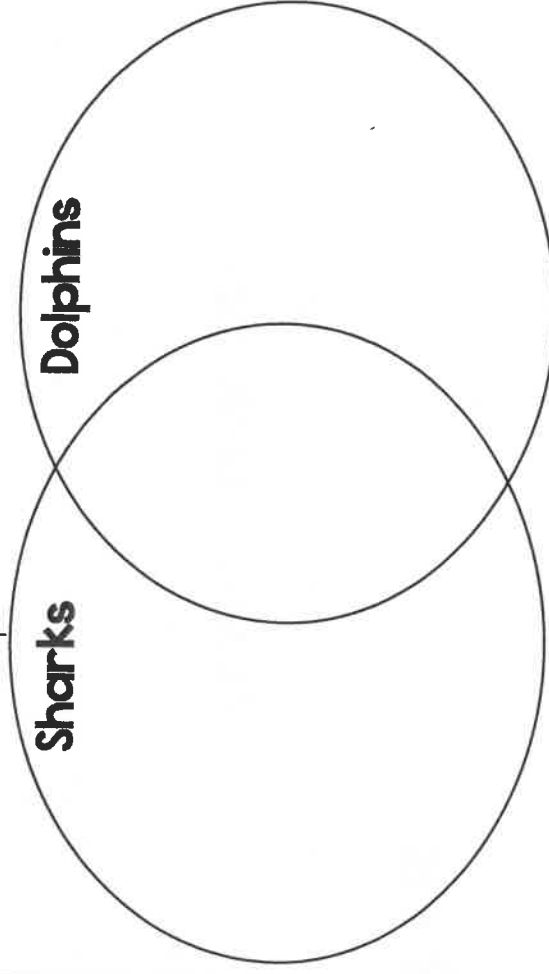
Use an orange crayon to highlight the name of the shark that lives in rivers and lakes.



Use a red crayon to highlight the text that explains what happens when a shark loses a tooth.

Read and Respond:

Compare & Contrast



Name _____

Date _____

Clouds

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Clouds

Clouds are collections of water droplets or ice crystals. As water vapor rises, it cools, and the group of water droplets collect into a cloud. The cloud is warmer than the air around it. As a result, the cloud floats in the air!

There are many different types of clouds. Three common types of clouds are cirrus, stratus, and cumulus clouds. Cirrus clouds are wispy clouds that form high in the sky. Cirrus clouds predict fair and pleasant weather. Stratus clouds are gray clouds that cover the entire sky. Stratus clouds often predict light rain and drizzle. Cumulus clouds are puffy, white clouds with a flat bottom. They predict fair weather but can turn into thunderstorm clouds at times.



Read and Look Back:



Use a yellow crayon to highlight the text that states what a cloud is.



Use an orange crayon to highlight the names of three common types of clouds.



Use a red crayon to highlight the name of the cloud that is gray and covers the entire sky.

Read and Respond:

Use the text to help you draw a picture of the three types of clouds in the passage.

Cirrus Clouds

Stratus Clouds

Cumulus Clouds

Name _____

Date _____

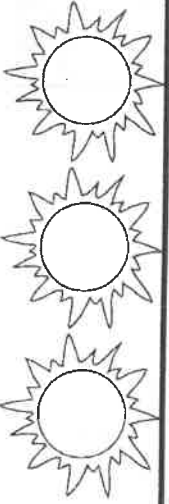
Bumblebees

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Bumblebees

A bumblebee is an insect with six legs, antennae, and four wings. Most bumblebees are black and yellow. Some can be all black or even green. Bumblebees live anywhere they can find flowers to feed on. They drink the nectar from plants and eat pollen. Bumblebees live for only one season before they die.

Bumblebees live in a **colony**. A colony is a group of bumblebees that live together. There are three types of bees in each colony. The worker bees collect the pollen and nectar, clean the hive, and take care of the babies. The drone's only job is to mate with the queen. The queen's only job is to lay eggs in the colony. A bee will sting to protect itself. If left alone, bees are usually not harmful insects.



Read and Look Back:

☐

Use a yellow crayon to highlight the text that states what a bee eats and drinks.

☐

Use an orange crayon to highlight the names of the three bees that live in a colony.

☐

Use a red crayon to highlight the text that states what the drone's job is in the colony.

Read and Respond:

What is a colony?

Name _____

Date _____

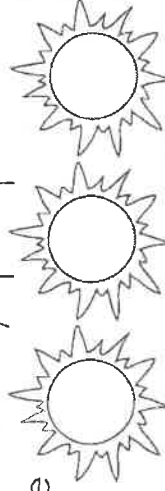
Crickets

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Crickets

Crickets are insects that are related to grasshoppers and katydids. They have strong back legs and a long, thin antennae. A cricket's ears are on its legs! Crickets can be brown, black, or green. Crickets are known for their chirping sounds. A cricket chirps by rubbing its front wings together. Crickets cannot see very well. They communicate by sound, touch, and their sense of hearing.

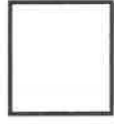
Crickets live all over the world. They like to live on the soil, under dead plants, or on live plants. Crickets like humid areas. They eat fruit, seeds, small insects, and some leaves. They hide in the daytime to protect themselves. Many people like to listen to the chirping of crickets at night.



Read and Look Back:



Use a yellow crayon to highlight the sentence that tells where a cricket's ears are located.



Use an orange crayon to highlight the text that explains how a cricket makes a chirping sound.



Use a red crayon to highlight the text that tells where a cricket lives.

Read and Respond:

Infer! The text tells us crickets hide in the daytime to protect themselves. What do you infer they are hiding from?

Name _____

Date _____

Volcanoes

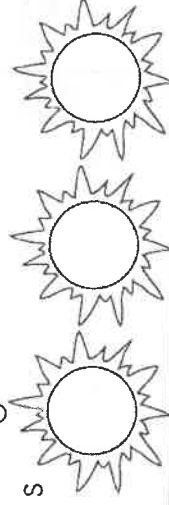
Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Volcanoes

A volcano is an opening in the Earth's surface. A volcano that is active can let gas, ash, and magma escape from inside the Earth. Magma is hot, liquid rock under the Earth's surface. Magma that comes out of a volcano is called lava. A volcano that is inactive is called **dormant**. The largest active volcano is in Hawaii. It is called Mauna Loa. In fact, the Hawaiian Islands are made up of five volcanoes.

Most of the volcanoes are found around the Pacific Ocean.

Volcanoes can be found on the ocean floor and under icecaps. The soil near a volcano is *rich* and fertile. Many people use the soil around volcanoes to grow food. People build homes on volcanoes that are dormant.



Read and Look Back:

☐

Use a yellow crayon to highlight what can escape from a volcano if it is active.

☐

Use an orange crayon to highlight the definition of dormant.

☐

Use a red crayon to highlight why people grow food near a volcano.

Read and Respond:

Use context clues. What do you think the word *rich* means within this passage?

Name _____

Date _____

Desert Habitat

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

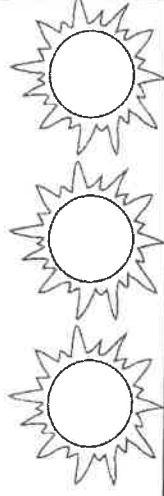
Desert Habitat

A desert is an area with very little rain. About one third of the earth is a desert. Many areas in the Arctic and Antarctic are polar deserts. These polar deserts are free from ice. Hot deserts have high temperatures during the day. They have cold temperatures at night. Since deserts lack a lot of water, they can be a dangerous place for people and animals.

Plants such as shrubs and cacti live in a desert habitat. These plants do not need much water. They store water in their stems and leaves.

Cacti have a waxy coat on them. This waxy coat keeps the water from escaping. Lizards, snakes, and coyote are examples of animals that live in a desert.

Deserts are beautiful to visit.



Read and Look Back:

☐

Use a yellow crayon to highlight the names of two areas on Earth that are polar deserts.

☐

Use an orange crayon to highlight two plants that live in the desert.

☐

Use a red crayon to highlight the text that tells how cacti keep water from escaping.

Read and Respond:

What is the main idea of this passage?

Name _____

Date _____

Forests

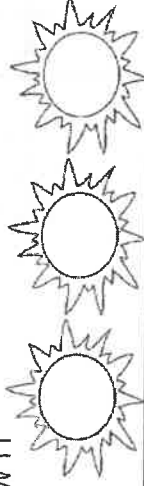
Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Forests

A forest is an area with many trees and plants. There are three layers, or parts, to a forest. The bottom layer is forest floor. The forest floor has soil, animals, and small plants. The middle layer is called the understory. The understory has small bushes and trees. The highest layer in the forest is called the canopy. The canopy is made up of the leaves and branches of the trees.

The forest is home to many living things. Many insects and animals make the forest their habitat. Some animals, like owls, use the trees as their home. The canopy provides shelter to the animals and insects. It is important to protect the forests.

People who cut down trees are harming the animals' homes.



Read and Look Back:



Use a yellow crayon to highlight the main idea of this passage.



Use an orange crayon to highlight the name of the three layers of the forest.



Use a red crayon to highlight the text that states what happens when people cut down trees in the forest.

Read and Respond:

Draw and label the three layers of the forest. Use the text to help you draw.

A large dashed rectangular box for drawing and labeling the forest layers.

Name _____

Date _____

Mosquitoes

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

Mosquitoes

Mosquitoes are insects with six legs, wings, and antennae. They use their antennae to hear and smell. There are over 3,000 kinds of mosquitoes. Mosquitoes are known for their itchy "bite," or pierce to the skin. *Pierce* means to prick or poke. On humans and animals, mosquitoes use their mouth to pierce and suck a tiny amount of blood. Only female mosquitos pierce people and animals. Male mosquitoes feed on the juices from plants.

Mosquitoes breed, or lay eggs, near marshes, swamps, ponds, or even swimming pools. Mosquitoes can be known to spread disease when they bite. To protect yourself from mosquitoes, use bug spray. Screens can also be used to keep mosquitoes out of the house.



Read and Look Back:

☐ Use a yellow crayon to highlight what a mosquito uses its antennae for.

☐ Use an orange crayon to highlight the definition of the word *pierce*.

☐ Use a red crayon to highlight three places mosquitoes breed.

Read and Respond:

How can you protect yourself from mosquitoes?

Name _____

Date _____

Horses

Directions: Read the passage on the left 3 times to practice fluency. Color a sun each time you read. Then, complete the comprehension tasks on the right.

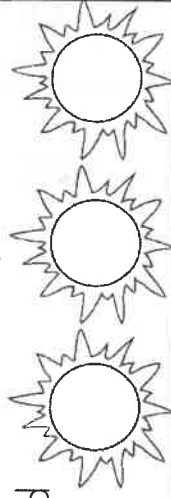
Horses

Horses are large, four legged animals. They have been around for thousands of years. They have large eyes on the sides of their heads. This helps them see almost all the way around. Horses have beautiful, long tails. They use their tails to swat flies away. Horses will also swish their tails when they are not in a good mood!

A horse is an herbivore. A

herbivore is an animal that only eats plants. They like grass, oats, and hay. Horses even like beans and apples! They need fresh water to drink.

Horses are fast animals. There are four speeds in which a horse travels: walk, trot, canter, and gallop. A walk is the slowest movement and a gallop is the fastest. Horses are interesting and beautiful animals!



Read and Look Back:

☐

Use a yellow crayon to highlight the text that explains what a horse uses its tail for.

☐

Use an orange crayon to highlight the sentence that states the definition of an herbivore.

☐

Use a red crayon to highlight the four speeds a horse travels.

Read and Respond:

Read the second paragraph again. What is the main idea of the second paragraph?
