



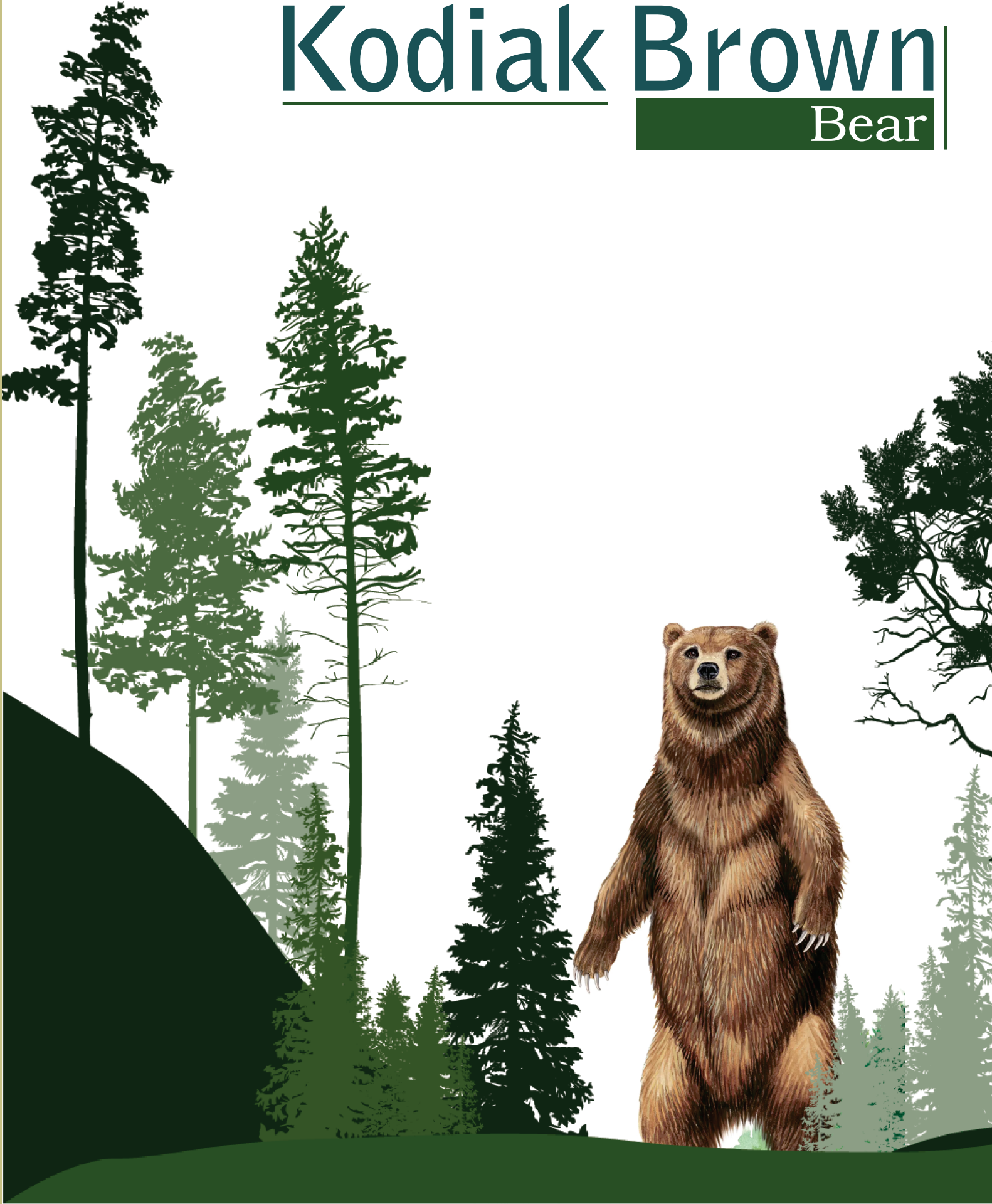
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Leave no one behind

Kodiak Brown Bear

CLIMATE CHANGE



Climate Heroes

Kodiak Brown Bear

Hi!
I am Tara

Tara began tidying up her room, making her bed, straightening the study chair,



and putting away her

stuffed toys. As she picked up a brown teddy bear, she daydreamed about encountering a real Kodiak Brown Bear from Alaska's Kodiak Island.



Tara had learned that these bears were the largest in the world and primarily fed on sockeye salmon during the summer, switching to berries when the salmon disappeared. Tara imagined how delicious the berries must be and hoped to try some during her visit. However, in 2014 and the following year, something strange occurred – the bears did not arrive at the salmon-filled streams. The salmon died without being eaten by the bears, and biologists in the

Kodiak National Wildlife Refuge discovered that the bears were staying on the hillside, feeding on elderberries



that ripened earlier than usual due to a warm spring.



This disruption in the food chain would have negative effects on the island's ecology, as birds that relied on the bears to extract the salmon from the streams would have to find alternative food sources. Both salmon and berries were vital sources of nutrients for the bears, and Tara wondered what nutrients they were



missing by not eating the salmon. She discovered that they were losing out on important reserves of fat, which was crucial for insulation against the cold. This worried Tara, as she wondered how the furry animals would survive the cold without their fat layer.



New Words

1. **Ecology**- the study of the relationships between living organisms and their environment.

2. **Nutrients**- substances that provide nourishment for living organisms.

3. **Insulation**- material or

layer that prevents the transfer of heat or cold, in this case, fat layers on the Kodiak Brown Bear provide insulation against the cold.

Find other new and interesting words for each other, and write their meanings in your notebooks.

Comprehension:

1. Where are the Kodiak Bears found?
2. What does the bear eat from the streams?
3. What does the bear eat

- from the hillside?
4. What strange thing happened in 2014?
5. What would remain without food if the

- bears do not reach the streams for fish?
6. What nutrient do the bears get from the fish?

Take turns to make more questions like these above for each other and answer them.

Prompts Pair up

1. Draw a picture of a Kodiak Brown Bear and label its physical features. What have you learned about these bears and their habitat? Discuss and write in your notebooks
2. **Wildlife Quiz**

As a team of two, research facts about Kodiak Brown Bears, manatees, and sea otters. Create a short, multiple-

choice quiz on their habitats, diets, and challenges they face. Exchange quizzes with classmates and complete them. Discuss the answers and interesting facts you've learned about these animals.

Watch the video on the Kodiak Brown Bear using the QR code.



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