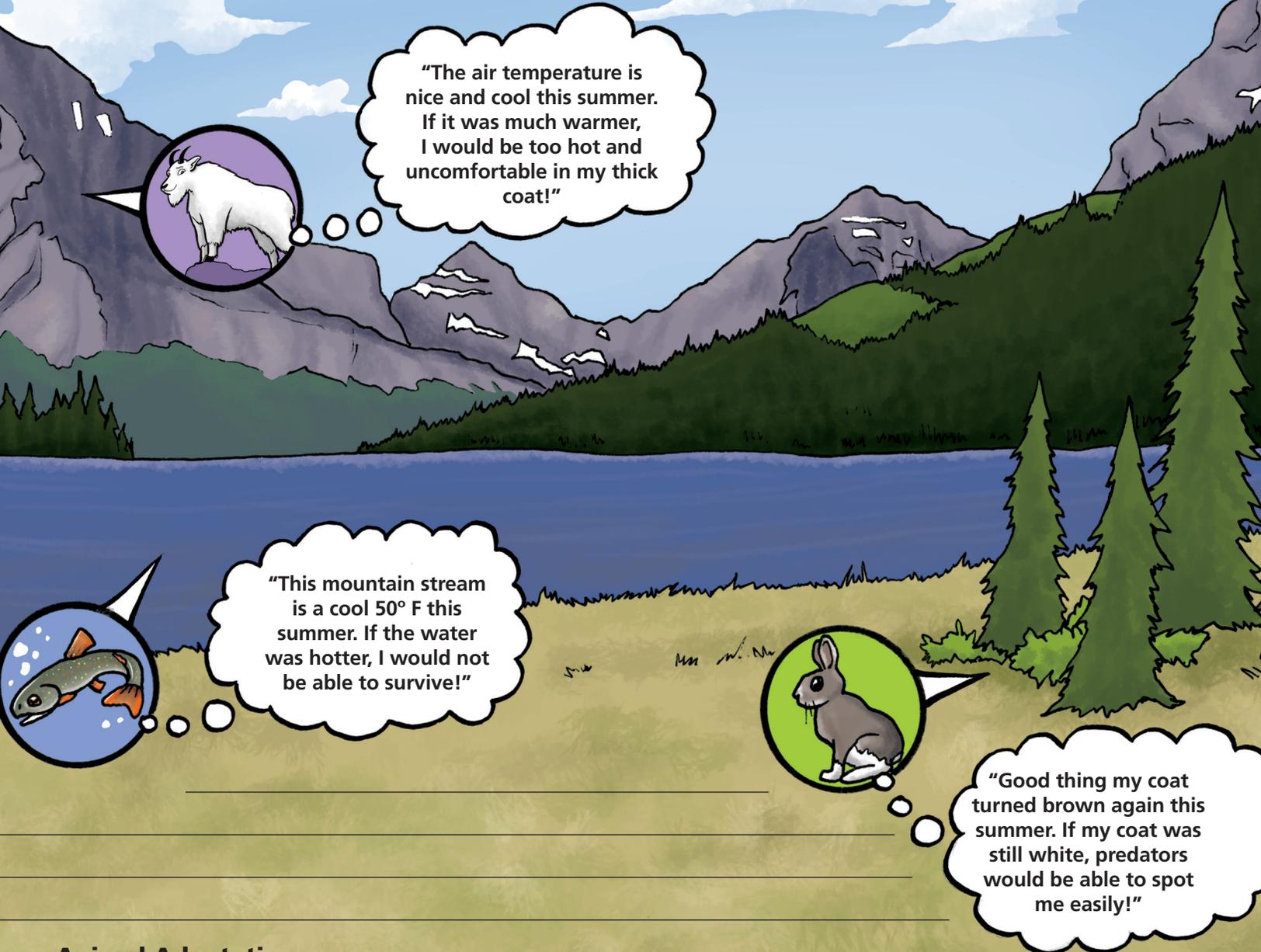


# Up, Up and Away?

Rising temperatures and longer summers mean big changes for planet Earth. As the climate warms, some species must migrate north, or move higher up the mountains to find a cold habitat like the one they are used to. Species that can't move must adapt to the new climate. Scientists have predicted that some species may not be able to adapt or migrate and may not survive.

## Directions:

Imagine that you are a snowshoe hare, a mountain goat, or a bull trout in Glacier National Park. Write a paragraph about how your life might be different as summers become longer and hotter. Other effects of climate change include warmer water, snow melting earlier in spring, and smaller glaciers.



"The air temperature is nice and cool this summer. If it was much warmer, I would be too hot and uncomfortable in my thick coat!"

"This mountain stream is a cool 50° F this summer. If the water was hotter, I would not be able to survive!"

"Good thing my coat turned brown again this summer. If my coat was still white, predators would be able to spot me easily!"

## Animal Adaptations:

- Snowshoe hares use camouflage to hide from predators. They are rusty brown in summer and white in winter. In spring, it takes about ten weeks to make a complete color change from white to brown.
- Bull trout grow best when the water temperature is 48-57° F. They thrive in streams kept cool all summer by melting snowfields and glaciers.
- Mountain goats have a thick coat that allows them to survive cold winter temperatures. They shed in spring and a new coat begins to grow in July.