



Teacher Guide

UNIT 3 LESSON 2: HABITAT REQUIREMENTS

Theme

All species, including the King Rail, need to have their habitat requirements met to be able to thrive in their environment.

Missouri Science Standards: LS2.A.2; ETS1.A.1

Vocabulary

**Also covered in Unit 3 Lesson 1.*



Habitat - The natural home or environment of an animal, plant, or other organisms.

Ecosystem - A biological community of interacting organisms and their physical environment.

Infographic: Biomes, Ecosystems, and Habitats – What is the Difference?

Description: This PDF document outlines the definitions of biome, ecosystem, and habitat. It uses the taiga, or boreal forest, as an example biome, then uses the Interior Alaska-Yukon Lowland Taiga as an example of an ecosystem, and the Chinook Salmon as an example to describe habitat.

Link to PDF*:<https://documentcloud.adobe.com/link/trackuri-urn:aaid:scds:US:2dc19e96-5590-4ffb-8816-982a7533bcb0>

**Also included in online materials.*

Teacher Notes:

- *Reading this infographic and answering the below questions may be best assigned as homework as it shouldn't take the students long to complete.*

Follow-Up Questions:

1. What are three factors that affect what type of life resides in a particular biome and help define each biome?
2. Fill in the blanks. Ecosystems are defined by the _____ and _____ throughout the system.
3. What is a habitat specific to?

Activity: Now That's a Quality Habitat!

Activity Summary: In this activity, students will explore what it means to have a quality habitat. Students will take what they learned from "Lesson 1: Who is the King Rail" to map out the ideal habitat for the King Rail.

Concluding Questions/Assessment

*Student worksheet included in packet.

1. Describe the difference between the terms of habitat and ecosystem. Use examples.
2. How can we use the life history information of a species (ex: what food they eat and what habitat they prefer) to help conserve that species?
3. Describe your experience trying to map out a quality habitat for the King Rail. What was your main challenge?
4. Write down two ways we (as humans) might be able to help the King Rail.

