**Unit 3 Lesson 2: Why does the King Rail live there?**

**Lesson Topic:** Habitat Requirements

**Lesson 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 organism.

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 ecosystem, and the Chinook Salmon for an example to describe habitat.*

Link to PDF\*: <https://documentcloud.adobe.com/link/track?uri=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. Describe your experience trying to map out a quality habitat for the King Rail. What was your main challenge?
3. Write down two ways we (as humans) might be able to help the King Rail.