

SCIENCE·3D

HELLBENDERS: SAVING THE SNOT OTTER

In this packet, sample student answers are provided in **red** and notes to teachers are in **blue**.

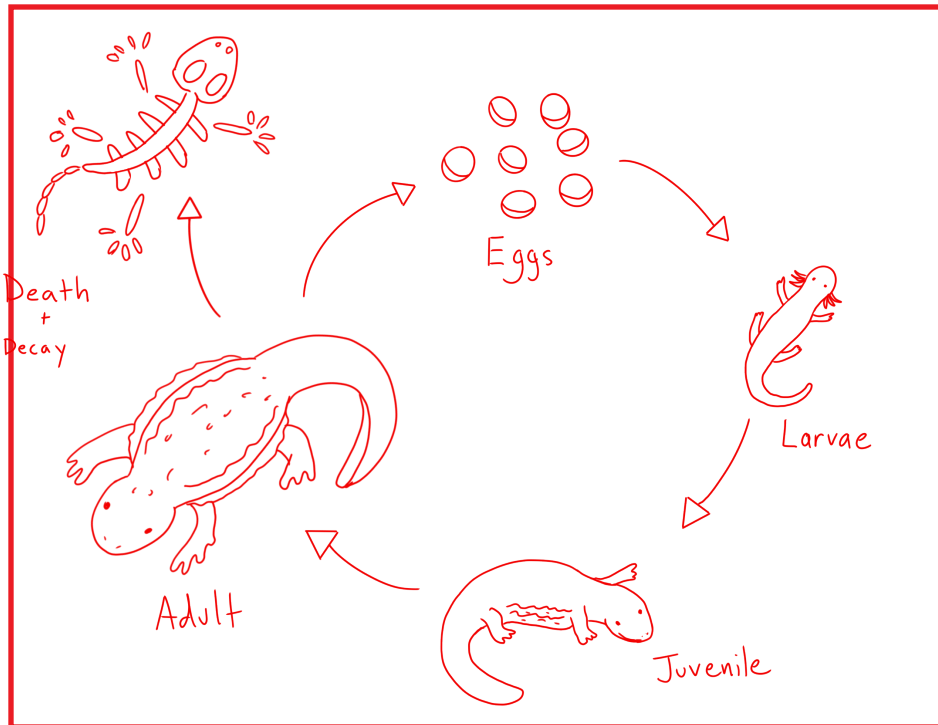
During **Mission Research**, students compare and contrast life cycles and apply their understanding of habitats and human impacts to freshwater ecosystems. Consider assigning students a selection of the questions or activities provided to address the standards (science or language arts) that you want to emphasize.



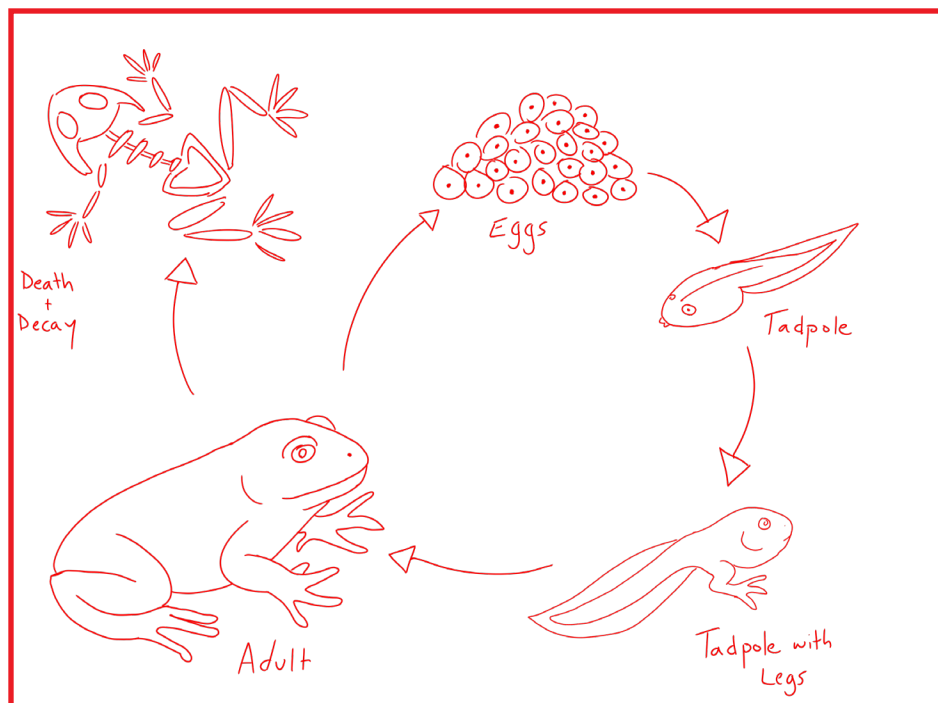
Activity 1: Life Cycles

1. **Draw** the life cycle of 1) a hellbender 2) a frog 3) a snake 4) an oak tree and 5) a bear. Label each stage in the life cycle. Label whether each animal is an amphibian, reptile, plant or mammal.

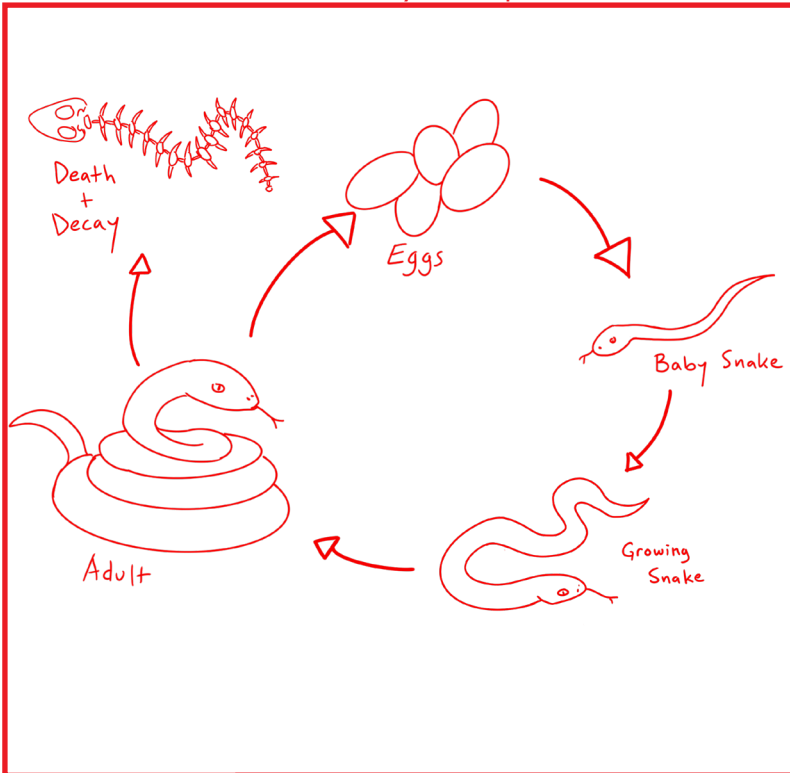
Hellbender life cycle: amphibian



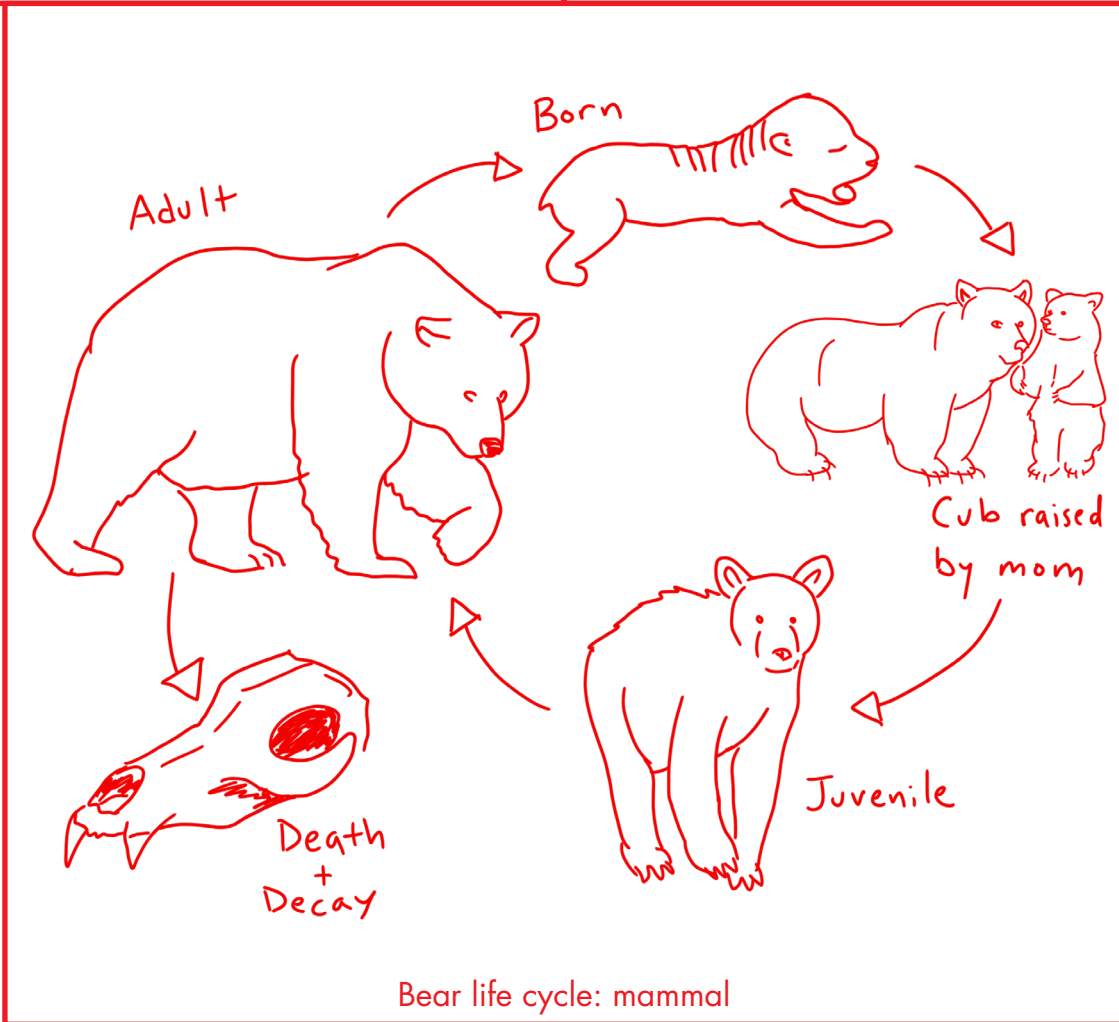
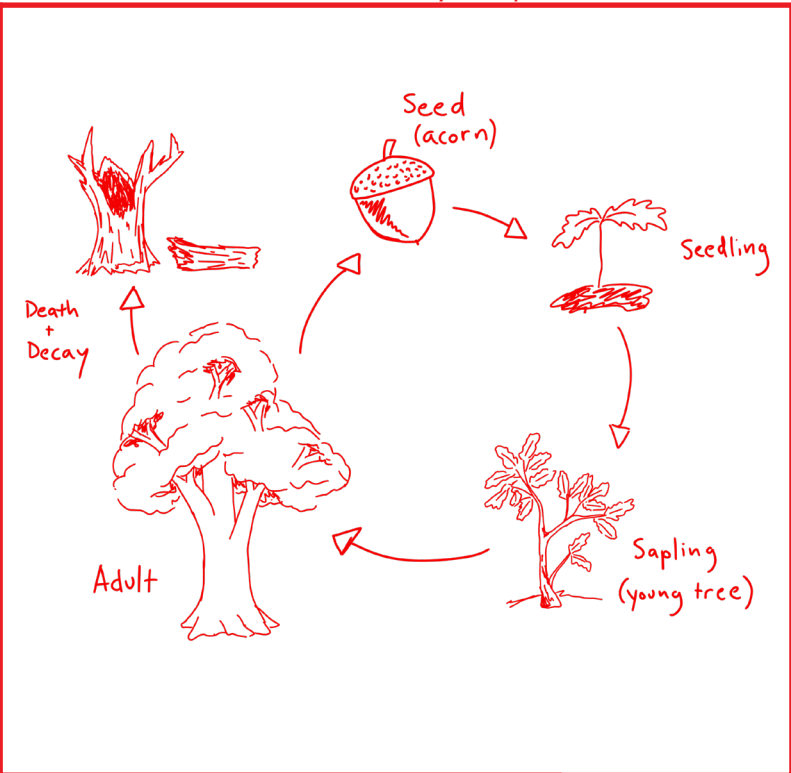
Frog life cycle: amphibian



Snake life cycle: reptile



Oak tree life cycle: plant



Bear life cycle: mammal

2. **Write** a paragraph that compares and contrasts the life cycles of each of these animals.

Answers should include whether the species undergoes metamorphosis or not, what kind of egg it lives in. How long they live. Frogs and hellbenders are amphibians, snakes are reptiles, trees are plants and the bear is a mammal.