

## Students wrap up Lessons 1-6

In small groups, students revisit the Lesson 1 long ago and nowadays story and their initial ideas about a possible mechanism for change over time. Now they get to revise their explanations as needed. (10 min)

Finally, they use their knowledge of adaptation by natural selection and their imaginations to construct a scenario and create a poster that tells what could happen to their “nowadays” population over many generations following a dramatic shift in the environment.

### **Wrap Up Activity: What Happened Next?**

Reflect on initial ideas and revise as needed.

Explain that this unit began with 4 examples of populations of animals whose traits have changed over long periods of time. Students were asked for their ideas about how these changes might occur which they recorded in their notebooks. They have now worked through several cases of adaptation and seen that the same mechanism was at work in each case. Have their ideas changed? Now they will revisit Lesson 1, revise any of their initial ideas

Ask students to gather in their Lesson 1 small groups.

**Note: You may want to post a list of Lesson 1 small group members for reference.**

Have students turn to page 3 in their notebooks and reread their initial ideas about how animals' characteristics or traits change from generation to generation. Ask them to find the space provided and write down ways – if any - in which these ideas have changed (if any). (5 min)

### Imagine a future

Working in their small groups, students will create their own adaptation scenario.

Ask students to look at the Nowadays drawings of “their” animals in the Lesson 1 panels.

Project instructions:

**Focus on the traits of animals you worked with in Lesson 1 “nowadays.”**

**Step 1. I. Imagine that there is a major change in the environment. Choose one of these:**

- a. A dangerous predator arrives
- b. There is a dramatic change in climate

**Step 2. Is there a variation that will be beneficial in the new environment? Which one and why will it be helpful in the new situation?**

**Step 3. Which individuals will survive and reproduce?**

**Step 4. What will the population look like many generations from now?**

**Step 5. Create a poster or storyboard that shows the change over time scenario step-by-step..**

Provide students with the materials they'll have to work with. Ask them to

Encourage students to combine their imagination and their understanding of the steps in adaptation that they learned about in the cases of radishes, pilosas, and anoles.

Encourage them to be creative, have fun!

Tell them they will have about 30 minutes for this activity.