

Evolution

Speciation Storyboards

Name:

Period:

Make colored illustrations for the examples of speciation below. Read the description of the environments carefully, and be sure to draw the adaptations (special body parts or color). You can use p.307 (bird beak pictures) and p.314-315 (speciation and squirrel pictures) if you need extra help.



<p><i>Separation:</i> Birds from one island (where they eat lots of hard seeds) get blown to a different island during a storm.</p>	<p><i>Adaptation:</i> The birds reproduce and adapt to the different conditions on the new island (where there are a lot of insects that live in cracks).</p>	<p><i>Isolation:</i> Another storm blows some of the insect-eating birds back to the island with lots of seeds. The two types of birds can live in the same area, but cannot interbreed.</p>
<p><i>Separation:</i> Squirrels that live in the same valley are separated over time by a wide river that creates a canyon.</p>	<p><i>Adaptation:</i> On one side of the canyon, there are lots of dark exposed rocks. On the other side of the canyon, the rocks are much lighter in color. The squirrels evolve to be safely camouflaged on their particular sides.</p>	<p><i>Isolation:</i> A landslide fills in part of the canyon, and the two types of squirrels can now go to either side of the canyon. The two types of squirrels can live in the same area, but cannot interbreed.</p>