

<p>This process happens again and again over many generations. Eventually, piloses with thinner trunks become more common than piloses with wider trunks.</p>	<p>Over time, populations look different than they used to look.</p>
<p>Piloses with wider trunks could not reach the bugs underground, so they were less healthy. Piloses with thinner trunks <i>could</i> reach the bugs underground, so they were more healthy.</p>	<p>Variation in traits</p>
<p>Healthier piloses could have more offspring, and offspring usually looked like their parents.</p>	<p>This process happens again and again over many generations.</p>
<p>Nowadays, the population looks very different. Now most of the piloses have thinner trunks.</p>	<p>Depending on the environment, certain trait variants may be beneficial.</p>
<p>It got hot and dry, so the bugs went under the ground.</p>	<p>Individuals with beneficial trait variants are healthier and can have more offspring.</p>
<p>Long ago, many piloses had wider trunks and only some had thinner trunks but all of them could get bugs to eat.</p>	<p>Environmental change</p>