

K-ESS3-3. Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.

<p><u>PE</u> Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.* [Clarification Statement: Examples of human impact on the land could include cutting trees to produce paper and using resources to produce bottles. Examples of solutions could include reusing paper and recycling cans and bottles.]</p>	<p><u>DCI</u> • Living things need water, air, and resources from the land, and they live in places that have the things they need. Humans use natural resources for everything they do.</p>	<p><u>CCC</u> • Systems and System Models – Systems in the natural and designed world have parts that work together.</p>	<p><u>Practices</u> Developing and Using Models – <i>Modeling in K-2 builds on prior experiences and progresses to include using and developing models (i.e., diagram, drawing, physical replica, diorama, dramatization, storyboard) that represent concrete events or design solutions.</i> Use a model to represent relationships in the natural world.</p>
<p><u>Activity</u> Small Groups: For each picture card, decide which depicts a better choice for the Earth.</p>	<p><u>Question</u> Which is a better choice for the Earth?</p>	<p><u>Objectives / Next Steps</u> • Choices that we make can have a positive or negative impact on the Earth. <i>Are all choices good or bad?</i></p>	<p><u>Notes</u> This part of the lesson uses some scenarios from the K-ESS2-2 lesson, so it can be used as a follow-up or used independently.</p>
<p>Whole Class: Have each group share a set of pictures with the class, explaining why they sorted it the way they did. Show the class a third picture which belongs in that set, and ask if it is good for the Earth, bad for the Earth, or neutral.</p>	<p>Which is a better choice for the Earth? [Continued]</p>	<p>• Choices that we make can have a positive, negative, or neutral impact on the Earth. <i>What are some other choices we can make to help protect the Earth's resources?</i></p>	<p>Please reference the choice matrix. Following the original order is recommended, since they were arranged to scaffold students' answers. Photo cards with an asterisk are intended to be used as the additional image.</p>

<p>Small Group: Draw a picture showing something that we could do to further protect the Earth and its resources. In your picture, show how that action is good for the Earth.</p>	<p>What is something else we can do to protect the Earth?</p>	<ul style="list-style-type: none">• There are many, many ways we can help protect our Earth and its resources!	
--	---	--	--