

DE Science Elementary



“5-Minute Prep” For

Animals

How Animals Live

Food and Oxygen



Food and Oxygen – The Big Ideas

- Animals eat plants or other animals that eat plants to get energy.
- Animals get oxygen from air or water.
- Animals use food and oxygen to make energy to live.
- Animals have unique features/behaviors to seek the food they need to live.



Food and Oxygen – Prior Knowledge

Students have probably learned before that they get their energy from food. They've probably also heard the word "oxygen" before. It will help for students to use the Fun-damental to review food and oxygen. It will also help if they have:

- Seen and can identify different animals.
- Background knowledge of different animals' habitats.



Food and Oxygen – Common Misconceptions

- Energy is a substance in food.

Reality: Energy is produced by animals from the foods they eat and oxygen in the air or water in their habitat.

- The only gas animals breathe out is carbon dioxide.

Reality: Animals also breathe out water as a gas some of the oxygen and some other gases.



Food and Oxygen – Using DE Science Content

When you close this presentation, you can review the following recommended resources for Food and Oxygen.

- Reading Passage: [Animals and Oxygen](#)
- Reading Passage: [Food and Energy](#)
- eBooks: [How Do Animals Get Food?](#)
- Video Segment: [Food and Energy](#)

Use the PowerPoint version of this presentation for hyperlinks to these resources or you can get to them through the browser or search feature.



Food and Oxygen – Instructional Ideas

- Use the jigsaw reading method with students
 - Break students into groups of three.
 - Assign each member of the group a different reading passage: [Animals and Oxygen](#) [Food and Energy](#) [How Do Animals Get Food](#)
 - Ask students to read their assigned passage.
 - Then, ask students to discuss the passage with members of other groups assigned to the same passage.
 - Finally, groups come back together and all three members share the content of their assigned passage with the group so that all members benefit from all three passages.



Food and Oxygen – Instructional Ideas

- Read the eBook, [Animals and Oxygen](#).
 - Build on the concepts by introducing the idea that animals breathe out carbon dioxide and water.
 - Ask students to place their hands in front of their mouths and breathe out.
 - Discuss with students how their hands feel wetness—water in the form of a gas.
- Watch the video segment, [How Do Fish Breathe Underwater](#), to introduce the difference between how fish breathe compared to other animals.



State standards:

If you wish to review your state standards regarding Food and Oxygen, click here to get to the curriculum standards search feature of DES.

<http://search.discoveryeducation.com/CurriculumStandardLookup.cfm>

You can click on any standard to see what resources are available to teach it.

Additional Information:

For additional content, check the Extend section within the concept.

