Post-assessment

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from Living Things and Their Needs Teacher’s Guide and for Tillena Lou’s Day in the Sun.
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Using Cooperative Groups

Cooperative learning is a systematic way for students to work together in groups of two to four. Quite often, early primary students need to have their own materials, but can work in groups to share ideas and to learn from one another. Through such interactions, students are more likely to take responsibility for their own learning. The use of cooperative groups provides necessary support for reluctant learners, models community settings where cooperation is necessary, and enables the teacher to conduct hands-on investigations in a more manageable environment.

Students wear job badges that describe their duties. Tasks are rotated within each group for different activities so that each student has an opportunity to experience all roles. Teachers even may want to make class charts to coordinate job assignments within groups.

Once a cooperative model for learning has been established in the classroom, students are able to conduct science activities in an organized and effective manner. All students are aware of their responsibilities and are able to contribute to successful group efforts.
CONCEPTS
• All living things have basic needs that must be met.

SKILLS
Science: Comparing, communicating, applying knowledge
Language Arts: Listening, communicating, using descriptive language, following directions

TIME
Set-up: 5 minutes
Class: 30 minutes

MATERIALS
Per student
• Sheet of white construction paper, 18 in. x 12 in.
• Crayons or markers

EXTENSION
Students may write a story or poem about an animal or plant and its needs. Younger students could “brain storm” in groups and dictate their ideas to the teacher or make picture books.

POST-ASSESSMENT

Students will apply concepts learned in this unit by revisiting the pre-test, where they recorded what they needed to live. This activity will be extended by including another animal and its needs.

Most living things need air, food and water. Organisms also need physical space. Some plants and animals are similar in the ways they use resources from the environment and in the places where they live; others are very different from one another. Plants, in general, need air, nutrients from soil, water and sunlight in order to grow and reproduce. Plants can capture, store and use energy from the sun through a process known as photosynthesis. Animals are dependent on plants and other photosynthetic organisms (such as seaweeds) for food. Some animals eat only plants, others eat only animals, and some eat both plants and animals. Animals also need air and water.

Like all other living things, people need air, food, water and a place to be. Unlike plants and animals, people cook and combine their foods to make them better tasting and easier to digest. Unlike other organisms, people also create and use things to make their lives more comfortable and more pleasurable.

This final activity is designed to help you, the teacher, assess what your students have learned during this unit about the needs of living things. Part of the activity is matched to the drawing they created at the beginning of the unit. The second part of the activity lets you judge how they have been able to extend their knowledge.

SETUP
Collect paper and crayons or markers.

PROCEDURE
1. Distribute materials and instruct students to fold the large piece of paper in half (like a book), so that the folded page is 9 in. x 12 in. They should make a crease on the fold, open the paper and draw a line down the crease. On the left side of the page, each student should draw a picture of him or herself. Students then should draw images of their basic needs around the pictures of themselves.

2. Next, have students draw an image of one living thing (plant or animal—their choice) on the right side of the page. After they complete the animal or plant drawings, have students add images of what is needed by the selected animals or plants for survival. Older students may want to label the objects.

3. Return to students’ original pre-assessment activities. As a group, compare the pre- and post-drawings, and have students identify additional elements present in the new drawings.