

Going on a Living and Nonliving Hunt

Science Standard II

Objective 1

Connections

Science Standard II:

Students will understand that organisms depend on living and nonliving things within their environment.

Objective 1:

Classify living and nonliving things in an environment.

Intended Learning Outcomes:

1. Use Science Process and Thinking Skills
2. Manifest Scientific Attitudes and Interests
3. Understand Science Concepts and Principles
4. Communicate Effectively Using Science Language and Reasoning

Content Connections:

Math V-1; Art IV-3

Background Information

Your students may have trouble distinguishing between living, nonliving, and once-living things. Children may consider everything that moves to be alive, including cars and clouds. Often children pretend that objects are alive so that they can talk to them. Children also have difficulty comparing once-living objects with objects that have never lived. Living and nonliving are scientific terms. Children are accustomed to hearing living or dead. By exploring various objects and organisms, your students can begin to distinguish between things that are living, things that were once-living, and things that are nonliving.

Characteristics of living things are: able to grow, reproduce (make more organisms like itself), eat and drink, move, and are made of cells. To be alive, an object must do *all five*.

Instructional Procedures

Materials

- One paper bag per group

1. Give each group a bag and have them go outside and collect ten items.
2. Have each group dump their bag on their desks and sort their items.
3. Discuss how each group has sorted their items.
4. Are there any other ways to sort them?
5. Read *Living and Nonliving* by Angela Royston.
6. Have groups sort their items again.
7. Discuss characteristics of living and nonliving things.

8. Graph results.
9. Create a compare and contrast Venn Diagram.

Possible Extensions/Adaptations/Integration

- Clean desks. Sort items into living, nonliving, and once-living. Put a small living animal (cricket, ant, beetle, ladybug, etc.) that is in a small clear box in a few desks.
- Living and Nonliving boxes.
- Provide magazines and have students cut out pictures of living, nonliving, and once-living things. Glue on a large piece of paper to make a collage.
- Sort *Picture Cards* (p. 3-30) into living, nonliving, and once-living groups.

Assessment Suggestions

- Make observations as students are working in their groups.
- Check collages for accuracy.

Additional Resources

Books

Living and Nonliving, by Angela Royston; ISBN 1403408548

What Is A Living Thing?, by Bobbie Kalman; ISBN 0613123352

Living Things, by Adrienne Mason; ISBN 0613260422

It's Alive!: All About the Living World, by Sunnie Kim;
ISBN 1891418203

Web site

Is It Alive? www.newbridgeonline.com

Family Connections

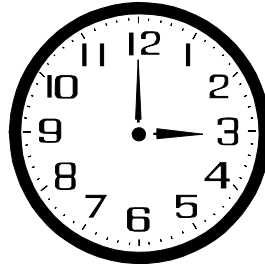
- Students share their collage pictures with their families.
- Students look for living, nonliving, and once-living things in their homes.

Picture Cards

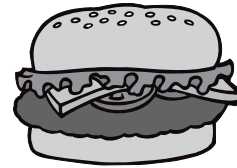
Living and Nonliving



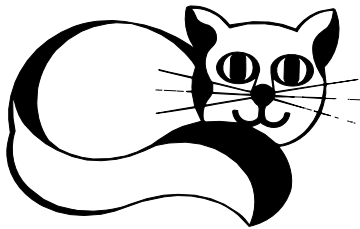
Tiger



Clock



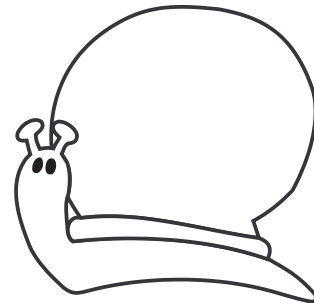
Hamburger



Cat



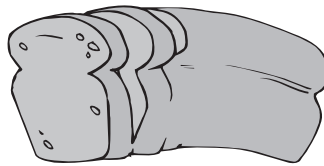
Dog



Snail



Fish



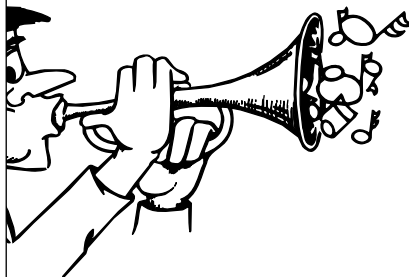
Bread



Cake



Phone




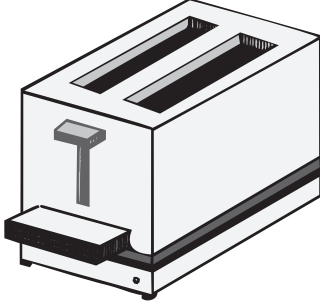
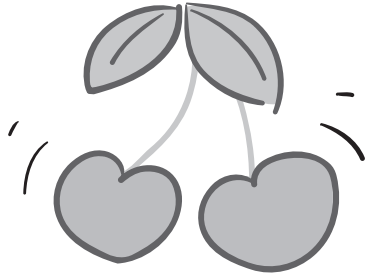
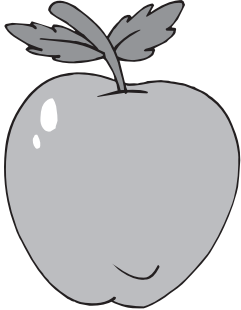
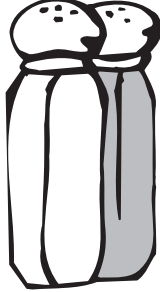


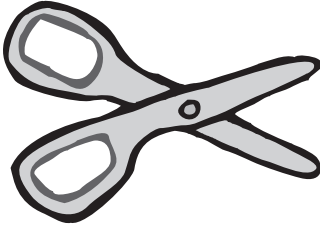
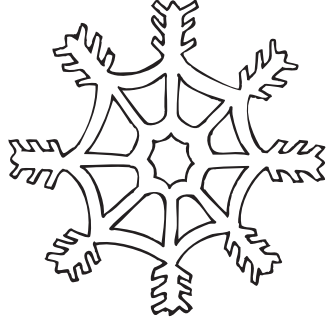



Sound



Banana

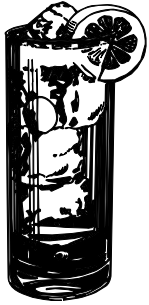
Picture Cards

Living and Nonliving

 <p>A cartoon illustration of a young boy with dark, curly hair, wearing a t-shirt and pants, with his arms raised and a happy expression. A small arrow points to his hair.</p>	 <p>A simple line drawing of a toaster with a slice of toast popping out of the front.</p>	 <p>A line drawing of two cherries hanging from a short stem with two leaves.</p>
 <p>A line drawing of an apple with a short stem and a single leaf.</p>	 <p>A line drawing of two tall, cylindrical shakers, one slightly taller than the other, representing salt and pepper.</p>	 <p>A line drawing of a bowl of soup with a spoon resting on the side and steam rising from the bowl.</p>
 <p>A line drawing of an open book with many pages visible.</p>	 <p>A line drawing of a pair of open scissors.</p>	 <p>A line drawing of a six-pointed snowflake with intricate patterns.</p>
 <p>A line drawing of a desktop computer system including a monitor, keyboard, and mouse.</p>	 <p>A line drawing of a seahorse, showing its unique body shape and tail.</p>	 <p>A line drawing of a detective wearing a hat, a trench coat, and a magnifying glass around his neck, holding a notepad.</p>

Picture Cards

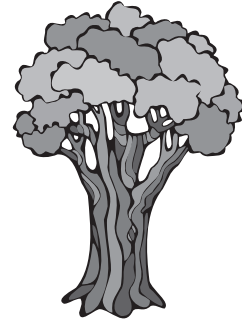
Living and Nonliving



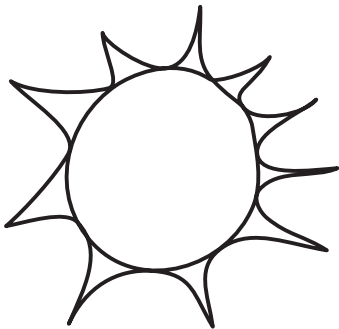
Water



Fire



Tree



Sun



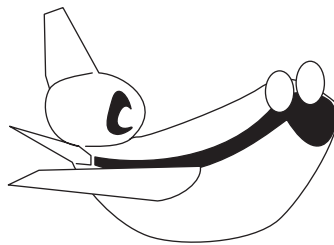
Rain



Snowman



Car



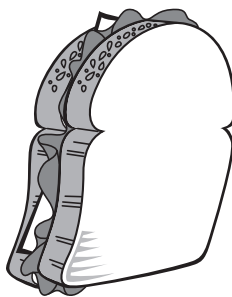
Airplane



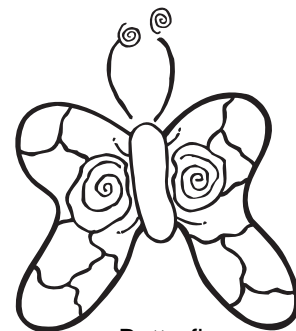
Bee



Cow



Sandwich



Butterfly