

Objective

By the end of this lesson, you will be able to identify structures of living things and understand their functions.

Materials and Prep

- Pen or pencil
- Blank paper or notebook

No prior knowledge is required for this lesson.

Activities

1. Observation Walk

Take a walk in your backyard or a nearby park. Observe different living things such as trees, flowers, insects, and birds. Pay attention to their structures and try to identify their functions. For example, notice how a bird's beak is shaped differently based on its diet.

2. Model Making

Choose a specific living thing, like a plant or an animal, and create a model using materials you have at home. Use clay, craft supplies, or even recycled materials to represent the different structures of the chosen organism. Label each structure and explain its function.

3. Research Project

Select a living thing that interests you and conduct research to learn more about its structures and functions. Use books or reliable online sources to gather information. Create a short presentation or write a report to share your findings.

Talking Points

- Living things are made up of different structures, just like a building has different parts. These structures have specific functions that help the living thing survive and carry out its daily activities.
- For example, a plant has roots, stems, leaves, and flowers. The roots anchor the plant in the ground and absorb water and nutrients. The stems provide support and transport water and nutrients throughout the plant. The leaves are responsible for photosynthesis, capturing sunlight to produce food for the plant. The flowers attract pollinators and help in reproduction.
- Similarly, an animal has structures like a heart, lungs, muscles, and bones. The heart pumps blood to deliver oxygen and nutrients to the body. The lungs help in breathing by taking in oxygen and releasing carbon dioxide. Muscles allow movement, and bones provide support and protect organs.

- By understanding the structures and functions of living things, we can appreciate the complexity and diversity of life on Earth. It also helps us understand how different organisms adapt and survive in their environments.