

## HOW LIVING THINGS GROW AND CHANGE

### Characteristics of Living and Non-living Things

#### What are LIVING things?

Living things are ALIVE!

Plants, animals, and people are living things.

Living things can **grow**.



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#### What Do Plants Need to Stay ALIVE?

Plants need air, water, and sunlight in order to live.

Plants need space to grow too.



## What Do Animals Need to Stay ALIVE?

Animals need air, water, food, and a place to live.  
A **shelter** is a safe place for an animal to be

## How do people grow and change?

People and animals grow from a baby to an adult.

## How do animals grow and change?

Some animals look like their parents when they are born, like a puppy.

Some animals do not look like their parents when they are born, like a

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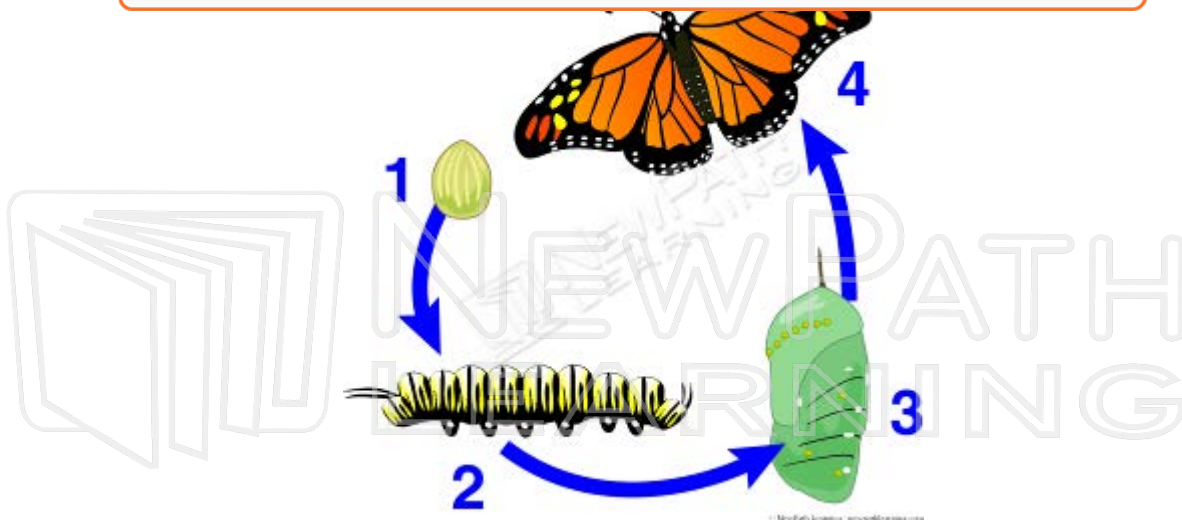
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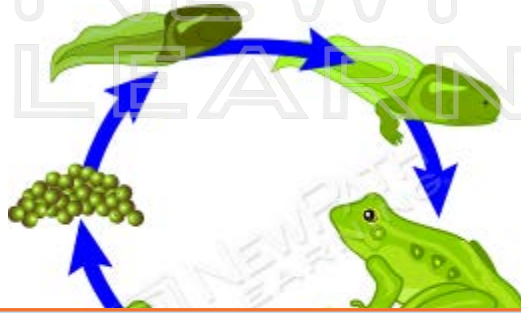
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## Life Cycle of a Frog

A frog's life cycle starts with an egg too.

egg → tadpole → adult frog



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The outside of the seed, the **seed coat**, protects the new plant until it is ready to grow.

A seed needs four special things in order to grow into a new plant:

- Water
- Warmth from the Sun
- Air
- Room to grow

## How Does a Seed Grow?

1. The seed is planted and gets enough water and room to grow.
2. A small root grows down into the soil from the seed.
3. Then, the stem grows up toward the top of the soil. Then the stem breaks through the soil as it grows. When the stem grows and begins to develop leaves, it is called a **seedling**.
4. Then it grows into an adult plant.



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*what are the four things a seed needs to grow?*

## What Are NON-LIVING Things?

Non-living things were never alive.  
Non-living things do not grow or change by themselves.  
Examples of non-living things: desk, pencil, and book.  
Non-living things in nature: water, rocks, and sunlight.

***Let's check what we have learned so far:  
Name one non-living thing found in nature.***