

Difference Between Living and Non-living Things

1. Characteristics of Living Things

Need Food, Air, and Water: Living things require food, air, and water to survive.

Grow: They increase in size over time.

Move on Their Own: Animals walk, run, or fly; plants grow towards sunlight.

Sensitive and Responsive: They respond to changes in their surroundings (e.g., plants bend towards light).

Reproduce: They produce young ones or seeds.

Respire: They breathe and release energy from food.

Excrete: They remove waste materials from their bodies.

Have a Life Span: They follow a life cycle: birth → growth → death.

Made of Cells: All living things are made up of living cells.

2. Characteristics of Non-living Things

Do Not Need Food, Air, or Water: They do not require nourishment or air.

Do Not Grow: They remain the same size.

Cannot Move on Their Own: They only move if pushed or pulled.

Not Sensitive: They do not respond to changes in their surroundings.

Do Not Reproduce: They cannot produce new things.

Do Not Respire: They do not breathe or release energy.

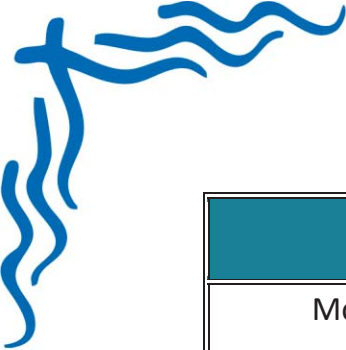
Do Not Excrete: They do not remove waste.

No Life Cycle: They do not go through birth, growth, or death.

Not Made of Cells: They are made of materials like wood, plastic, or metal.

3. Key Differences: Living vs. Non-living Things

Living Things	Non-living Things
Need food, air, and water	Do not need food, air, or water
Grow over time	Do not grow



Living Things	Non-living Things
Move on their own	Cannot move on their own
Sensitive and respond to changes	Do not respond to surroundings
Reproduce	Cannot reproduce
Respire and release energy	Do not respire
Excrete waste	Do not excrete
Have a definite life span	No life cycle
Made of living cells	Not made of cells

4. Critical Thinking Exercise: Circle the Odd Word

- Cat, dog, table, cow, buffalo → Table (non-living thing)
- Car, bus, train, bird, motorcycle → Bird (living thing)
- Sun, moon, animals, clouds, rain → Animals (living thing)
- Bee, goat, Sun, girl, crow → Sun (non-living thing)

Tip for Students:

To identify living things, remember:

BEMGRFLEC (Breathe, Eat, Move, Grow, Reproduce, Feel, Life cycle, Excrete, Cells).

If it lacks these qualities, it is a non-living thing!