

IB PYP GRADE 1 SCIENCE WORKSHEET #1: LIVING & NON-LIVING THINGS

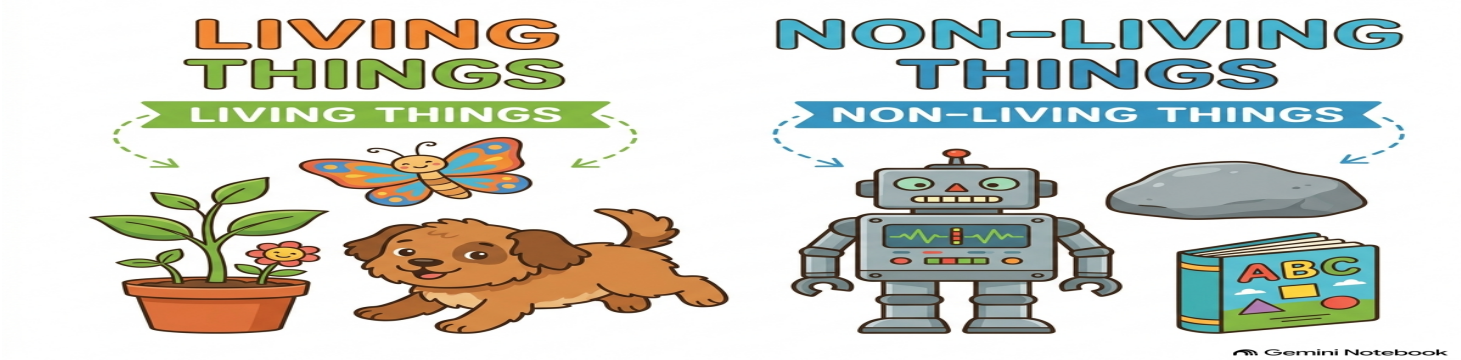
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Student Name: _____ Date: _____ Class: Grade 1 _____

Central Idea: Living things have basic needs that help them survive, grow, move, and change over time.

Line of Inquiry: Distinguishing living vs. non-living objects and identifying essential survival needs.

Key Concepts: Form, Function, Change | **Learner Profile:** Inquirer & Thinker



Part A: Visual Observation & Identification

Look at the learning diagram above. Write **L** for Living things and **NL** for Non-Living things:

1. Puppy Dog: []

2. Plastic Toy Car: []

5. Singing Bird: []

6. Story Book: []
3. Green Oak Tree: []

4. River Stone: []

7. School Teacher: []

8. Wooden Chair: []

Part B: Basic Needs Matching (Living Organisms)

Match each Living Need on the left with why living things need it on the right:

Living Need	Letter	Why Living Things Need It
1. Water & Liquids	()	A. Gives energy to run, play, and grow big.
2. Healthy Food	()	B. Provides oxygen to breathe constantly.
3. Fresh Air	()	C. Keeps cells hydrated and healthy.
4. Shelter & Home	()	D. Helps green plants produce their own food.
5. Sunlight	()	E. Protects from rain, storm, cold, and heat.

Part C: Characteristics Sorting Matrix

Put a tick (✓) in the correct columns for Living vs. Non-Living characteristics:

Characteristic	Living Things	Non-Living Things
Can grow bigger on its own over time?	✓ Yes	✗ No
Needs air to breathe and water to drink?	[]	[]
Can move by itself without being pushed?	[]	[]
Can have babies or young ones (reproduce)?	[]	[]
Never changes or grows on its own?	[]	[]

Part D: Scientific Inquiry & Creative Expression

Inquiry Challenge: Draw **one living thing** in its natural home below. Label **two things** it needs to stay alive:

Draw your scientific diagram or illustration inside this inquiry box:

Part E: IB Learner Profile Reflection & Self-Assessment

Check the statements that describe your learning today:

- [] I asked thoughtful questions about science (**Inquirer**).
- [] I used my brain to solve puzzles and sort objects (**Thinker**).
- [] I care for living things, animals, and our Earth (**Caring**).

How well do you understand this topic? (Circle one)

■ **3 - Expert** (I can teach a friend!) ■ **2 - Good** (I get it!) ■ **1 - Growing** (I need help)