

## **Living Non Living Worksheet**

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## Part 1: Understanding Living and Non-Living Things

Which of the following is a characteristic of living things?
Hint: Think about what defines life.
<ul> <li>A) Ability to fly</li> <li>B) Growth and development</li> <li>C) Made of plastic</li> <li>D) Ability to rust</li> </ul>
Which of the following is a characteristic of living things?
Hint: Think about the essential traits that define life.
<ul> <li>A) Ability to fly</li> <li>B) Growth and development</li> <li>C) Made of plastic</li> <li>D) Ability to rust</li> </ul>
Which of the following is a characteristic of living things?
Hint: Consider the fundamental traits of living organisms.
<ul> <li>A) Ability to fly</li> <li>B) Growth and development</li> <li>C) Made of plastic</li> <li>D) Ability to rust</li> </ul>
Select all the characteristics that are true for living things.
Hint: Consider the essential functions of life.
☐ A) Reproduction



B) Metabolism	
C) Inability to move	
D) Cellular organization	
Select all the characteristics that are true for living things.	
Hint: Consider the defining features of life.	
A) Reproduction	
<ul><li>□ B) Metabolism</li><li>□ C) Inability to move</li></ul>	
D) Cellular organization	
b) Solidial Organization	
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Hint: Think about the essential functions of life.	
A) Reproduction	
B) Metabolism	
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Explain what is meant by the term 'homeostasis' and why it is important for living organisms.	
Hint: Think about balance and stability in living systems.	
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Explain what is meant by the term 'homeostasis' and why it is important for living organisms.

Hint: Think about how organisms maintain stable internal conditions.



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Explain what is meant by the term 'homeostasis' and why it is important for living organisms.	
Hint: Consider the balance and stability in biological systems.	
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List two examples of living things and two examples of non-living things.	
Hint: Think about the categories of life and matter.	
1. Living Thing 1	
2. Living Thing 2	
2. Living Thing 2	
3. Non-Living Thing 1	
4. Non-Living Thing 2	
Which of the following is NOT a characteristic of non-living things?	
Hint: Consider what defines non-living entities.	
○ A) Lack of growth	
OB) Cellular organization	



<ul><li>○ C) No metabolism</li><li>○ D) Inability to reproduce</li></ul>
Which of the following is NOT a characteristic of non-living things?
Hint: Consider the traits that define non-living entities.
○ A) Lack of growth
OB) Cellular organization
C) No metabolism
O) Inability to reproduce
Part 2: Interpreting Characteristics of Living and Non-Living Things
Why do living things need to respond to stimuli?
Hint: Think about survival and adaptation.
○ A) To change color
B) To survive and adapt to their environment
C) To grow larger
O) To reproduce
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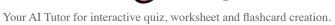
Which of the following processes are involved in metabolism?
Hint: Consider the chemical processes that sustain life.
A) Photosynthesis
☐ B) Respiration
C) Evaporation
D) Digestion
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Hint: Think about the structure and function relationship.

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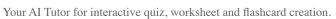


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Part 3: Applying and Analyzing Concepts	
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If a scientist discovers a new organism that can reproduce and respond to stimuli but does no grow, is it considered living or non-living?	t
Hint: Consider the essential characteristics of life.	
○ A) Living	
○ B) Non-living	
○ C) Unknown	
O) Undetermined	
Which scenarios demonstrate the application of homeostasis in living organisms?	
Hint: Think about how organisms maintain internal balance.	
A) A human sweating to cool down	
☐ B) A plant growing towards light	
C) A rock eroding over time	



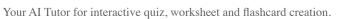


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Provide an example of how an animal adapts to its environment and explain the significance of this adaptation.
Hint: Think about specific adaptations and their benefits.
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Hint: Consider specific adaptations and their benefits.
Which of the following best explains the relationship between metabolism and energy in living organisms?
Hint: Consider how organisms obtain and use energy.
○ A) Metabolism stores energy
○ B) Metabolism releases energy from food
○ C) Metabolism creates energy from water
O) Metabolism uses energy to grow
Which of the following best explains the relationship between metabolism and energy in living organisms?
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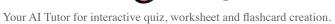
Analyze the following scenarios and identify which involve living organisms adapting to their environment.
Hint: Think about behaviors and physical changes.
A) A bird migrating south for the winter
☐ B) A river carving a canyon
C) A cactus storing water in its stem
D) A car rustling over time
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Hint: Think about behaviors and physical changes.
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Analyze the following scenarios and identify which involve living organisms adapting to their environment.
Hint: Consider the actions of organisms in response to environmental changes.
A) A bird migrating south for the winter
☐ B) A river carving a canyon
C) A cactus storing water in its stem
D) A car rustling over time
Compare and contrast the processes of growth in living organisms and the changes in non-living things over time.
Hint: Think about how growth differs between living and non-living entities.



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Hint: Think about how growth is defined in both categories.
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Hint: Think about the differences in growth mechanisms.
Part 4: Synthesis and Reflection
Which statement best evaluates the importance of reproduction in the survival of a species?
Hint: Consider the role of reproduction in species continuity.
A) It ensures individual survival
B) It allows for genetic diversity and continuation of the species
<ul><li>C) It is not essential for survival</li><li>D) It only occurs in plants</li></ul>
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Evaluate the following statements and select those that correctly describe the role of adaptation in evolution.
Hint: Think about how adaptation influences species over time.
A) Adaptation leads to the survival of the fittest
☐ B) Adaptation is a random process with no impact on evolution
C) Adaptation can result in new species over time
D) Adaptation is unnecessary for species in stable environments
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Hint: Think creatively about life in different environments.	
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int: Consider the unique challenges of the new environment.	