Living and non-living things for Grade 3

Practice worksheet - Science · Grade 3

Name: _____ Date: _____

Show your working. Answers and explanations follow on a separate page.

Try each task before opening its answer. Give an example or reason, not only a label.

Write an answer and your reason before opening the explanation. Check the reasoning as well as the final answer.

1. Classify a healthy growing tree.

2. Classify a glass marble.

3. Classify a wooden chair now.

4. Does a river flowing prove that water is alive?

5. Is a sleeping cat non-living because it is still?

6. Why can a dry seed that is still able to grow be living?

7. Does an inflating balloon become alive?

8. A machine uses water. Is that enough to classify it as living?

Practice continued

9. Is a living animal that cannot reproduce still alive?

10. Give one safe observation of plant growth.

11. What causes a pushed toy car to move?

12. Why should a sorting task say dry, dead leaf rather than just leaf?

13. Give a difference between a stone and a wooden desk.

14. Why should you use more than one sign of life?

Answers and explanations

Answer key - Science · Grade 3

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1. Living.

It carries out connected life processes.

2. Non-living; never a living organism.

It does not carry out life processes.

3. Non-living.

Its wood came from a tree, but the chair is not an organism.

4. No.

Physical movement alone is not sufficient evidence.

5. No.

It continues life processes while resting.

6. It contains a living embryo that can develop in suitable conditions.

A resting seed can show very little visible activity.

7. No.

Adding air makes it larger without life processes.

8. No.

A single shared feature is insufficient.

9. Yes.

Individual reproduction is not required to be alive.

10. For example: Record a new leaf appearing over several days.

Observe without damaging the plant.

11. An external push.

The movement is not evidence of a living organism.

12. The condition matters.

A growing leaf and dead material are different cases.

13. The desk contains material from a tree; the stone was never a living organism.

Both are non-living now.

14. Non-living objects can share individual features such as movement or getting bigger.

A connected pattern gives stronger evidence.