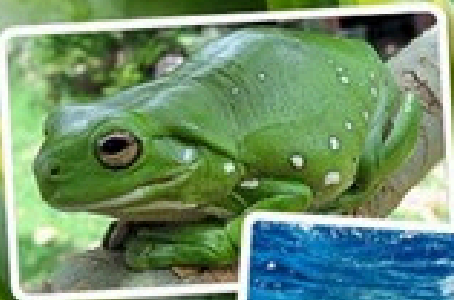


50 : Science Questions

SCIENCE : 50 QUESTIONS FOR CURIOUS MINDS



*Scientific Questions
Discussion Prompts*

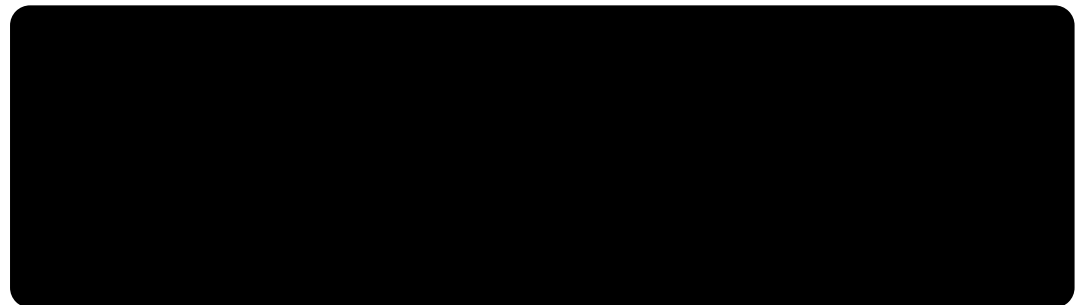
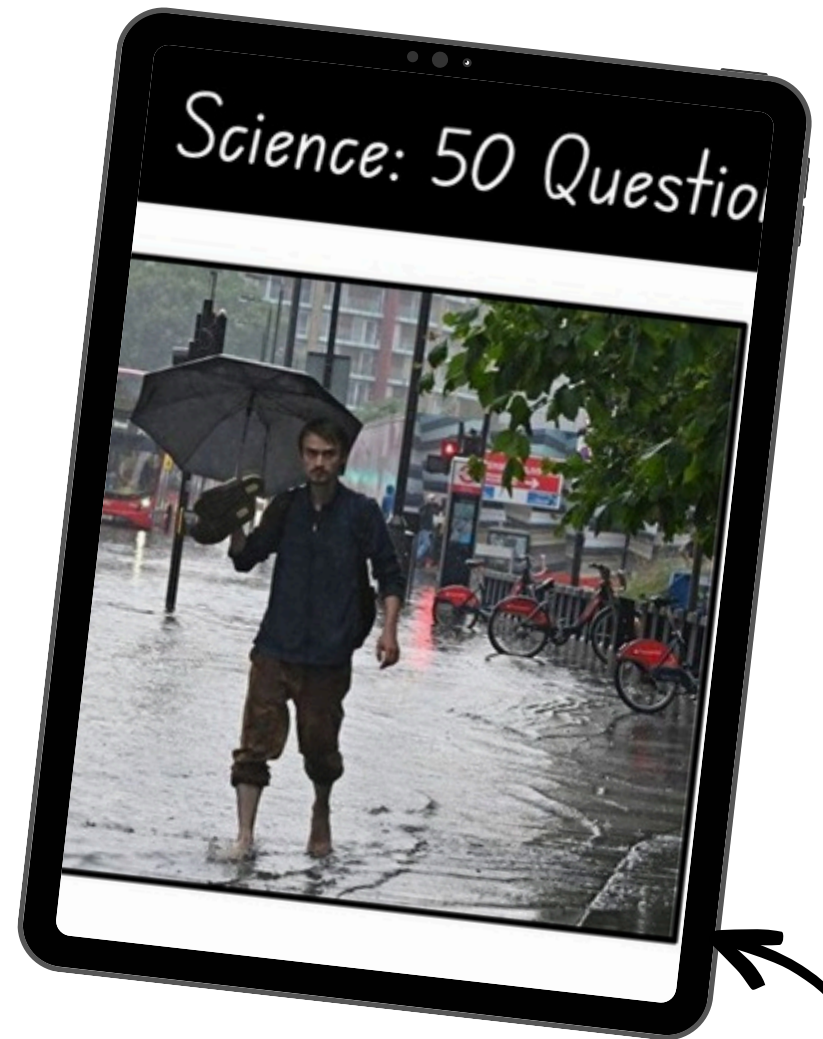
50 : Science Questions

What's included:

- 50 pages
- PDF
- PowerPoint
- Google Slides Version

How you can use it:

- Spark curiosity and wonder
- Encourage talk, thinking, and questioning
- Build early scientific inquiry skills



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Science: 50 Questions



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What questions do you have?

Why do you think we need to take care of the Earth?

15

Science: 50 Questions



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What questions do you have?

What might happen if there were no trees?

19

Science: 50 Questions



twinkl.com

What questions do you have?

How can you tell if something is solid, liquid, or gas?

18

Science: 50 Questions



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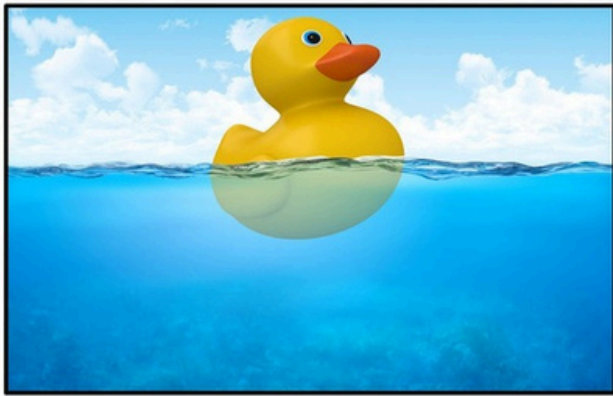
What questions do you have?

What do you think happens to trash after we throw it away?

50 : Science Questions

20

Science: 50 Questions



What questions do you have?

Why do you think some objects float and others sink?

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23

Science: 50 Questions



What questions do you have?

How does air take up space even though we can't see it?

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22

Science: 50 Questions



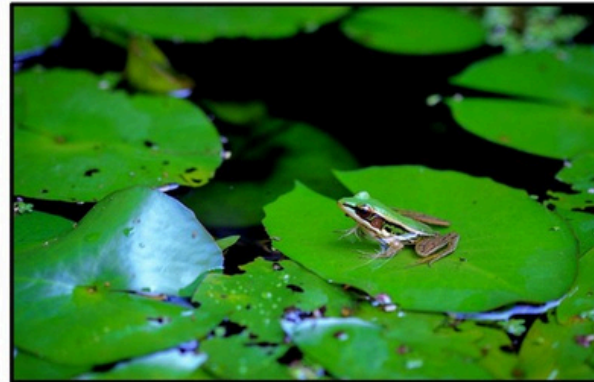
What questions do you have?

How can you change the shape of an object?

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24

Science: 50 Questions



What questions do you have?

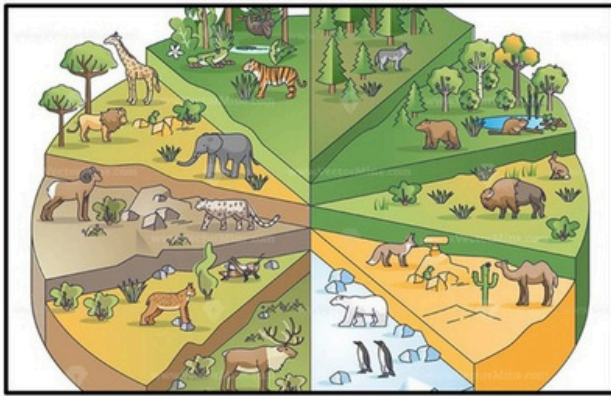
How do frogs stay safe from predators?

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50 : Science Questions

27

Science: 50 Questions



What questions do you have?

Why do you think habitats are important?

<https://www.pinterest.com/pin/1234567890123456789/>

25

Science: 50 Questions



What questions do you have?

What do you notice when the seasons change?

<https://www.pinterest.com/pin/1234567890123456789/>

30

Science: 50 Questions



What questions do you have?

What helps us see things in the dark?

<https://www.pinterest.com/pin/1234567890123456789/>

31

Science: 50 Questions



What questions do you have?

What might the waves from the water do to the castle?

<https://www.pinterest.com/pin/1234567890123456789/>

Teaching Notes

Teaching Notes

Purpose

These questions are designed to:

- ☐ Spark **curiosity and wonder**
- ☐ Encourage **talk, thinking, and questioning**
- ☐ Build early **scientific inquiry skills**
- ☐ Support observation, prediction, and explanation rather than finding a single "correct" answer.

Wonder Starters (5-10 minutes)

- ☐ Use one question to open a lesson or day.
- ☐ Display the question
- ☐ Give **think time**
- ☐ Invite students to share ideas without correction

Teacher language:

"There's no right answer yet – we're just wondering."

Suggestion:

Record responses on a **Wonder Wall** or chart paper.

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Teaching Notes

Hands-On Investigation Links

Each question can lead into:

- ☐ A mini experiment
- ☐ A nature walk
- ☐ A simple model
- ☐ A video clip or image stimulus

Encourage children to ask:

1. What do you notice?
2. What changed?
3. What do you wonder now?

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Questioning & Discussion Strategies Encourage Scientific Language

Model and prompt words such as:

- ☐ observe
- ☐ notice
- ☐ predict
- ☐ test
- ☐ change
- ☐ Because

Accept approximations and everyday language.

Teaching Notes

Assessment Opportunities (Low-Pressure)

- ☐ Look for evidence of:
- ☐ Curiosity and questioning
- ☐ Participation in discussion
- ☐ Ability to observe and describe
- ☐ Willingness to revise thinking

Assessment ideas:

- ☐ Anecdotal notes
- ☐ Photo evidence
- ☐ Student drawings with captions
- ☐ Exit questions (oral)

Cross-Curricular Links

English

- ☐ Oral language
- ☐ Questioning
- ☐ Explanation texts
- ☐ Vocabulary development

Mathematics

- ☐ Measuring
- ☐ Comparing
- ☐ Sorting
- ☐ Recording data

Creative Arts

- ☐ Drawing observations
- ☐ Modelling with materials
- ☐ Dramatic play (e.g. acting like animals or planet)

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Teaching Notes

Support All Learners

Allow **drawing instead of writing**

Use **sentence starters**:

- ☐ "I think..."
- ☐ "I noticed..."
- ☐ "I wonder if..."

Accept multiple explanations

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Differentiation Suggestions

For Younger / Emerging Learners

- ☐ Read questions aloud
- ☐ Use props, images, or actions
- ☐ Focus on **oral responses**

For Older / Confident Learners

Ask follow-up prompts:

- ☐ "What makes you think that?"
- ☐ "How could we test it?"

Encourage simple recording:
diagrams
labels
short sentences

Teaching Notes

Teaching Notes

Sample Lesson Flow (20–30 minutes)

Question of the Day

Read and display the question

Discussion

Students share ideas

Explore

Simple activity or observation

Reflect

"What did we learn?"

"What do we still wonder?"

Creating a Safe Inquiry Environment

Remind students:

- ☐ It's okay to change your mind
- ☐ Scientists ask lots of questions
- ☐ Mistakes help us learn
- ☐ Celebrate curiosity:
- ☐ "That's a great wondering."

Extension Ideas

- ☐ Create a **Class Science Journal**
- ☐ Turn questions into **investigation cards**
- ☐ Use as **early finisher prompts**
- ☐ Pair with **mentor texts or short videos**
- ☐ Rotate questions weekly by theme

Teaching Notes

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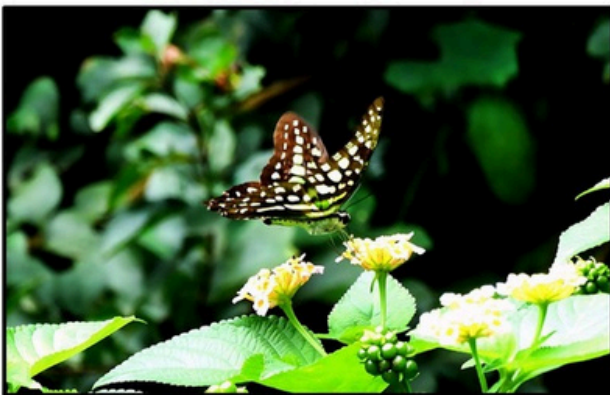
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4

Science: 50 Questions



What questions do you have?

What might happen if there were no insects?

50

Science: 50 Questions



What questions do you have?

How do rivers and oceans shape the land?

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