

Lesson 1 · What questions do scientists ask?

Read. What does a scientist do? Say as a class.

Science and Scientists

A **scientist** uses **science** to learn about the world around us. A scientist can work with other scientists. They learn new things together. You can use science to learn, too.

Do scientists work together? Say with a partner.





3 Read. Mark (✓) the scientists who observe things.

Observe

Scientists observe. **Observe** means to find out about things. You can observe the size, shape, and color of **objects**. You can observe other things, too.













6 Read. Match the questions and answers with the pictures.

Questions

Scientists ask many **questions**. They ask questions to find **answers**. You can ask questions. You can find answers, too!

a) What plant is it? It's a tree.

b) Where is the animal's baby? In a pouch.







c) What is the green animal? It's a frog.

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Look at the monkey. Say two questions you can ask with a partner.





Lesson 2 · How do scientists observe?

Read. Look at the fish. What colors do you see?

Senses

Scientists use their **senses** to observe. You can use your senses, too. You look to observe things like size, shape, and color. You listen to observe sounds.

- Point to the big fish. Point to the small fish. What fish do you like more? Why?
- Look around the classroom.
 Say three objects you see.
- **4** Circle the things you can hear.









6 Read. Circle the tools.

Tools

Scientists can use **tools** to observe. A hand lens is a tool. It can help you see things. A ruler can help you measure how long an object is. A balance can help you measure how much there is. **Measure** means to tell things like how much, how long, and how tall.





Circle T (true) or F (false).

- 1. Scientists use tools to observe. T / F
- T / F 2. You can observe how big or small something is.
- 3. You only have three senses.
- 8 Read. Look at the picture. How are the fish alike? Say with a partner.



T / F

Compare

Scientists say how things are alike. They say how things are different. Compare means to say how things are alike and different.



9 Look at the butterflies. Compare. Say as a class.





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10 Read. Circle the things that are alike.

Group

Scientists **group** things, too. You can group objects by how they are alike. You put objects that are alike in a group!



Read. Circle the things that help you stay safe.

Safety

You follow rules in science to stay safe. Some tools help you stay safe, too.



Group Objects

Find five objects at home. Say how they are alike. Say how they are different. Put the things that are alike in a group.

Lesson 2 Check

Unit 1

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Lesson 3 · How do scientists collect and record data?

 Read. What do scientists use to record data? Say as a class.

Scientists Collect and Record Data

Scientists **collect** information. In science, information is called **data**. Scientists **record** data. They can use words, pictures, numbers, or **charts**.

2 Look at the picture. Draw the animal the girl is observing.







3 Read. What can a mark in a chart show? Say with a partner.

Collect and Record Data

You can collect data by asking questions. You can record data in a chart. For example, one mark in a chart can record one person's answer to a question.



Ask five friends, "Do you like dogs, cats, or birds best?"
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Favorite Animals						
K	cats					
	dogs					
- Contraction of the second se	birds					

Count the marks for each animal. Which is your friends' favorite animal? Compare with other groups.

Lesson 3 Check Solution Got it? 3 60-Second Video Unit 1 13





Let's Investigate! How do things look?

- 1. Look and draw.
- **2.** Pour.
- 3. Look and draw.





Lesson 1

What questions do scientists ask?

- Read and circle T (true) or F (false).
 - a) Scientists observe objects.
 - b) Scientists do not work together.
 - c) Scientists ask questions.

They can record data in

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T / F T / F T / F

data.

Got it? Self Assessment

How do scientists observe?						
2 Read and trace.						
a) Scientists use their <u>Senses</u> .						
b) Scientists use tools to observe.						
c) Scientists COMPARE things.						
Lesson 3 o						
How do scientists collect and record data?						
3 Read and match.						
Scientists collect charts.						

Got it? Quiz

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