

Lesson 1 · What kinds of skills do scientists use?

1 What do we do in science? Look and write.



observe



2 Mike has to do an experiment for homework. Read and write. Use the words from 1.

Hi Luke,				
How are you? I have lots of homework this week 😕.				
Our science teacher, Mr. Burton, wants us to carry out a(n) (1) <u>experiment</u> at home.				
Mr. Burton wants us to ask a question and then do an experiment to find out the answer. First, he wants us to (2) the answer. That's difficult! He says we can then compare our answer with the (3) at the end.				
He thinks the best way to (4) is to use our (5), like sight, smell, taste, touch, and hearing.				
Help! What experiment can I do? Write back soon! Mike				



3 Look at 2. Which are the simple present verbs? Underline.

Mike wrote the results of his experiment. Complete the sentences.

Grammar Tip

We **have** five senses: smell, hearing, touch, sight, and taste.

Mike's Experiment					
Question: Do	Question: Do the birds like Tree A or Tree B more?				
I predict that	I predict that the birds like Tree A more.				
Birds in Tree	A and Tree	B between 3:00) P.M.and 4:(ОО р.м.:	
	<u>Tree A</u>	<u>Tree B</u>			
Monday	5	4			
Tuesday	3	4			
Wednesday	1	1			
Thursday	2	2			
Friday	6	3			
 It's Monday. T 	ree A <u>has</u>	s five birds and	d Tree B	four birds.	
2 It's Tuesday. Tree A three birds and Tree B four birds.					
3 It's Wednesdo	3 It's Wednesday. Tree A and Tree B one bird.				
4 It's Thursday. and	4 It's Thursday. Tree A				

5 It's Friday.

5 Mike predicted that the birds like Tree A more. Is he correct? Circle. Y / N

Unit 1 7

Lesson 2 · How do scientists find answers?

Simon investigates how seeds grow. Read and with the seeds grow.
--

h	eight	conclusion	measurement	hypothesis	investigate
Г		Simon's Scie	ence Blog	Posted: Sep	tember 5th
a w N <u>I</u> in sc Tł	Simon's Science Blog Posted: September 5th Today, I am doing an experiment. I want to I adding an experiment. I want to (1) <u>investigate</u> if seeds need water to grow? First, I ask the question: Do seeds need water to grow? Then, before I do the experiment, I need to make a (2) to answer the question. I predict that the seeds that are watered will grow. Now, I need to plan a fair test: I put seeds in two pots. Each day, I water only one pot. Then I look each day to see which seeds grow into a plant. I want to record the (3) of the plants, so I take a (4) every day. Then I do the same experiment again to see if the results are the same.				
				Posted: Septe	ember 21st
I finish my repeat experiment today. I compare results and draw my (5) <u>Seeds need water to grow</u> . My hypothesis is correct ©.					· ·
Write the details of Simon's experiment. Use the underlined text in 1.					
1	Ask the a	question:	Do seeds no	eed water to gr	0W?
2	Hypothe	sis:			
	 3 Fair test: 4 Repeat the investigation: 				
5	Conclusi	on:			

2



3 Look at 1 and find *First* and *Then*. Circle.

Gimon is planning another experiment.
 Read and write the steps of the experiment.

Grammar Tip

First, they ask questions. **Then** they investigate.

Hypothesis Co	nclusion	Question	Fair test	Repeat
8888	VV	111	7.2.2	1888
Question:	Do plants	need the su	n to grow?	
:	I predict	that the pla	nt in the sun wil	ll grow.
:	I put one plant in the sun and I put one plant in the dark. I measure the height of each plant each day.			
:	I do the e	experiment a	gain. I take me	easurements.
:	Plants ne	ed the sun to	grow.	

(5) Write the experiment in Simon's blog.



Lesson 3 · How do scientists collect and share data?

Can you describe these rocks? Look, circle, and write.

thyrough cbsmooth sharpd jwrounded e opjagged fnulargets mallttall



rough			
_			



- We use our senses to find out how the rocks are different. Look and circle.
 - 1 The **basalt** / **pumice** is smooth.
 - **2** The **pumice** / **granite** is large.
 - **3** The **pumice / granite** is rounded.
 - **4** The **basalt / granite** is rough.





3 Look at 1 and 2. Write about the rocks.

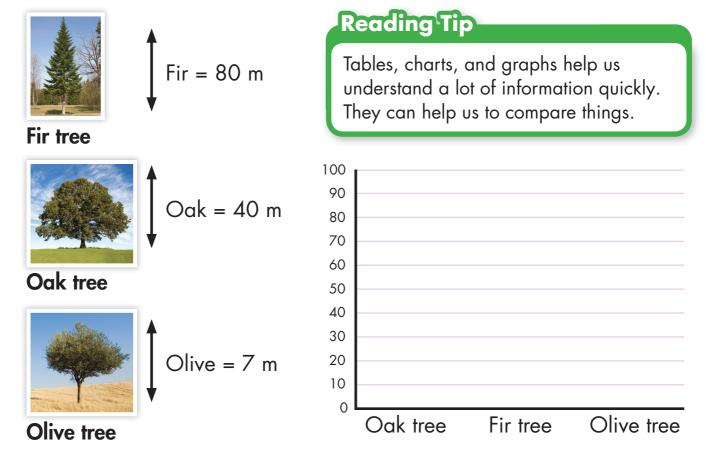
Scientists use different senses to collect (1) <u>data</u> about the rocks. They use their senses of sight and touch to observe and measure the rocks. The results are very different. (2) _____ is a smooth rock. (3) ______ is large and rough. (4) ______ is rough and rounded.

10 Unit 1





4 Look at the photos and the height of the trees. Complete the bar chart.





5 Look at 4. Complete the chart. Then write the answers.

	Oak Tree	Fir Tree	Olive Tree
Where?	England	North America	Mediterranean
Height?			
Leaves?	smooth	very sharp	sharp

- 1 It's from North America.
- **2** It's 40 meters high.
- 3 Its leaves are very sharp.
- 6 Look at 5. Which is your favorite tree? Write.
 - My favorite tree is a ______ tree. It's from _____

It's _____ high. Its leaves _____

Unit 1 11