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# The Nature of Science



What senses do we have? Look and match.



What do you use the different parts of your body for? Read and write.

1	smell	nose

- **a** ears
- 2 taste
- **b** mouth

**3** sight \_\_\_\_\_

c nose

4 touch

**d** eyes

**5** hearing

e hands

Which senses do you use in each activity? Look and mark (✓).

	smell	sight	taste	hearing	touch
	<b>√</b>				
2					

4 How do our senses help us to find out about the world? Read and write the five senses.

#### Saturday, September 12

I am in my grandmother's garden. It is very pretty.

My grandmother's (1) \_\_\_\_\_\_\_ isn't very
good, but she uses her other senses. There are a
lot of big apple trees and she uses her hands for
(2) \_\_\_\_\_\_. When she eats the apples from
the trees, she uses her mouth for (3) \_\_\_\_\_\_ the birds in
the trees. There are flowers next to the trees. She
uses her nose for (5) \_\_\_\_\_\_.

### Reading Tip

Read the text and underline the body parts. This will help you choose the correct senses.



**6** Look at 4. Read and match.

1	hearing —	a	apple trees
2	smell	b	apples
3	touch	C	birds
4	taste	d	garden
5	sight	е	flowers

6 How do you use your senses? Complete for you.

1	I use my ears for <u>hearing</u> . I hear an airplane.
2	smell
3	touch
4	taste
5	sight



# 曲针

#### Lesson 1 · What kinds of skills do scientists use?

What do we do in science? Look and write.



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	
( <b>3</b> ) 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.

	<u>//\lil</u>	<u>ke's Experiment</u>	
Question: Do	the birds lik	ke Tree A or Tree B more?	
I predict that	the birds lik	e Tree A more.	
Birds in Tree A	A and Tree I	3 between 3:00 P.M.and 4:00 I	.м.:
	Tree A	Tree B	
Monday	5	4	
Tuesday	3	4	
Wednesday	1	1	
Thursday	2	2	
Friday	6	3	

1	It's Monday. Tree A <u>has</u> five birds and Tree B	four birds.
2	It's Tuesday. Tree A three birds and Tree B	four birds.
3	It's Wednesday. Tree A and Tree B one bird.	
4	It's Thursday. Tree Aand	
5	It's Friday.	

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



#### Lesson 2 · How do scientists find answers?

Simon investigates how seeds grow. Read and write.

height	conclusion	measurement	hypothesis	investigate
	Simon's Scie	ence Blog	Posted: Sep	otember 5th
	(1) <u>invest</u> I ask the qu the experimen	doing an experiment of the control o	ed water to groved water to gro a ( <b>2</b> )	<u>w?</u> Then, to
<u>l water onl</u> into a plar so I take a Then <u>I do t</u>	y one pot. The at. I want to rec ( <b>4</b> )	ir test: <u>I put seeds in</u> I look each day to ord the ( <b>3</b> ) every day. ment again to see i	o see which seed	ds grow
			Posted: Sept	ember 21st
,		ent today. I compare eed water to grow.		

- Write the details of Simon's experiment. Use the underlined text in 1.
  - 1 Ask the question: Do seeds need water to grow? **2** Hypothesis: \_\_\_\_\_ 3 Fair test: 4 Repeat the investigation: **5** Conclusion: \_\_\_\_\_

- Look at 1 and find First and Then. Circle.
- Simon is planning another experiment. Read and write the steps of the experiment.

#### Grammar Tip

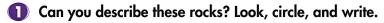
First, they ask questions. Then they investigate.

Hypothesis (	Conclusion	Questi	on i	air tes	t Re	peat	
8888	777	88	86	8	V	V	8
Question	: Do plants	need the	sun to g	row?			
	: I predict	that the p	plant in t	he sun	will grou	v.	
	•	plant in th I measur					
	: I do the o	experimen	tagain.	I take	measure	ments	5.
	: Plants ne	ed the sur	to grov	v.			

Write the experiment in Simon's blog.

		Posted: September 25th
		e sun to grow. First, I ask the en I need to make
	to answer the question:	
	Now, I nee	d to plan a
This is my test:		
I take	I measure the	of the plants
every day. The	n I repeat the	I compare results and
draw my		

# Lesson 3 · How do scientists collect and share data?



 $thy \\ cough \\ cbs \\ mooth \\ sharp \\ djwrounded \\ eopjagged \\ finular \\ getsmall \\ thall \\ limits \\ l$ 



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.



**Pumice** 

Basalt



Granite

Look at 1 and 2. Write about the rocks.

Scientists use different senses to collect (1) \_\_\_\_\_data\_\_\_ 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.



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



Fir = 80 m

Fir tree

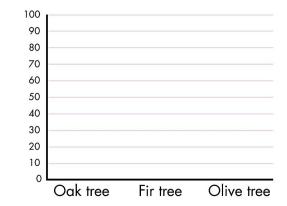


Oak tree



Pecidina III	
Reading Tip	)

Tables, charts, and graphs help us understand a lot of information quickly. They can help us to compare things.



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.
- Cook at 5. Which is your favorite tree? Write.

My favorite tree is	a tree. It's from	.•
lt's hi	gh. Its leaves	