## Introductory Activity: Something Puzzling About Puddles

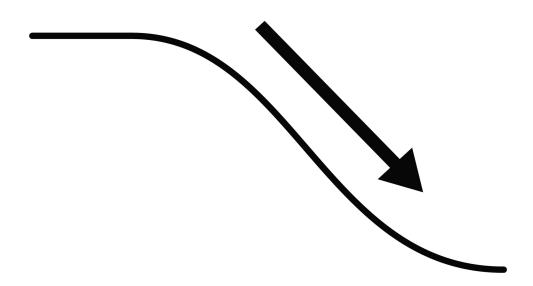
N	lame: Date:
	Home Connection: Observing Puddles
stı We	e are beginning a new science unit called <i>Earth Science: Wondering About Puddles</i> . In this unit, udents will investigate to figure out why puddles form in some places but not in other places. e invite you to engage your student in the following activity to help them begin thinking about e types of places where puddles are likely to form and why.
Dii	rections:
1.	Go on a puddle hunt with your student. If it has rained recently, you can go outside and look for puddles. If it has not rained recently, you can search for puddles in the following places: <ul> <li>photographs in books, magazines, or on the Internet</li> <li>television shows or movies (avoid animated shows and movies)</li> <li>photographs of your student, family, and friends</li> </ul>
2.	Have your student choose one puddle to observe in greater detail. Record your student's response to the first question below.
3.	Ask your student to point out a place without a puddle that is near the puddle they chose. Record your student's response to the second question below.
4.	In the box on the next page, have your student draw the puddle and the surrounding area.
WI	hat do you observe about the puddle?
WI	hy do you think there is a puddle in one place but not in the other place?

Name:	Date:		
Home Connection: Observing Puddles (contin			

#### Exploration 1:

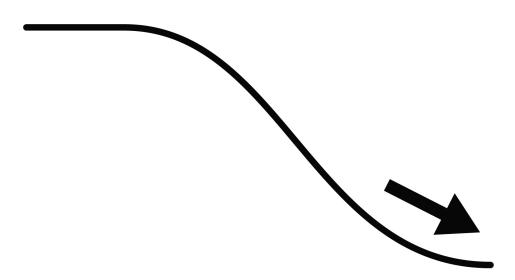
Why Are There Puddles on Some Parts of the Sidewalk but Not on Other Parts?





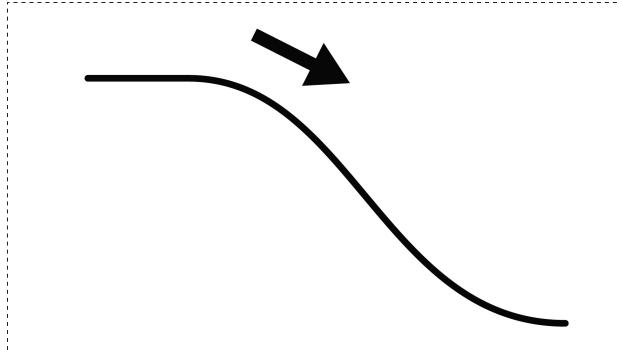
#### down the slope

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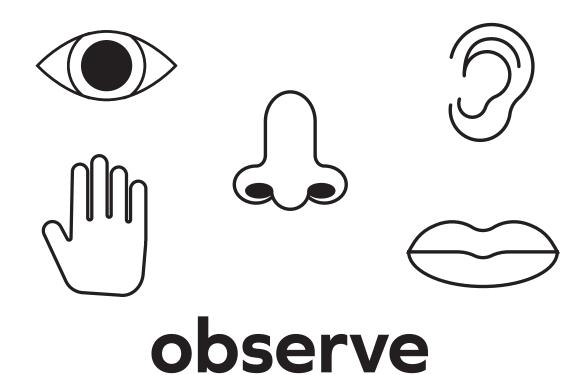
#### to the bottom of the slope

Earth Science: Wondering About Puddles—Language Frame Cards: Set 1—Exploration 1



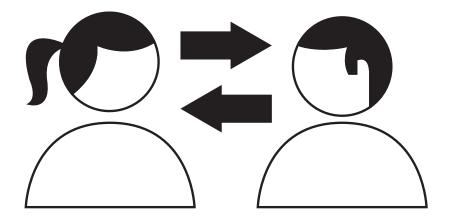
#### away from the top of the slope

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Earth Science: Wondering About Puddles—Visual Directions Cards

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## share

Earth Science: Wondering About Puddles—Visual Directions Cards

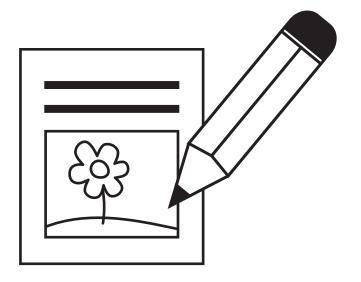


Earth Science: Wondering About Puddles—Visual Directions Cards

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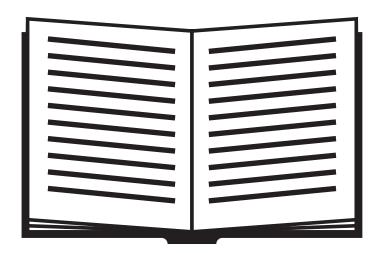
Earth Science: Wondering About Puddles—Visual Directions Cards



## draw and write

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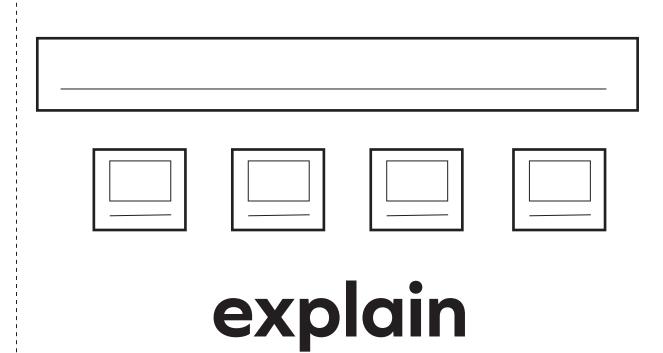
read

Earth Science: Wondering About Puddles—Visual Directions Cards



Earth Science: Wondering About Puddles—Visual Directions Cards

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Earth Science: Wondering About Puddles—Visual Directions Cards

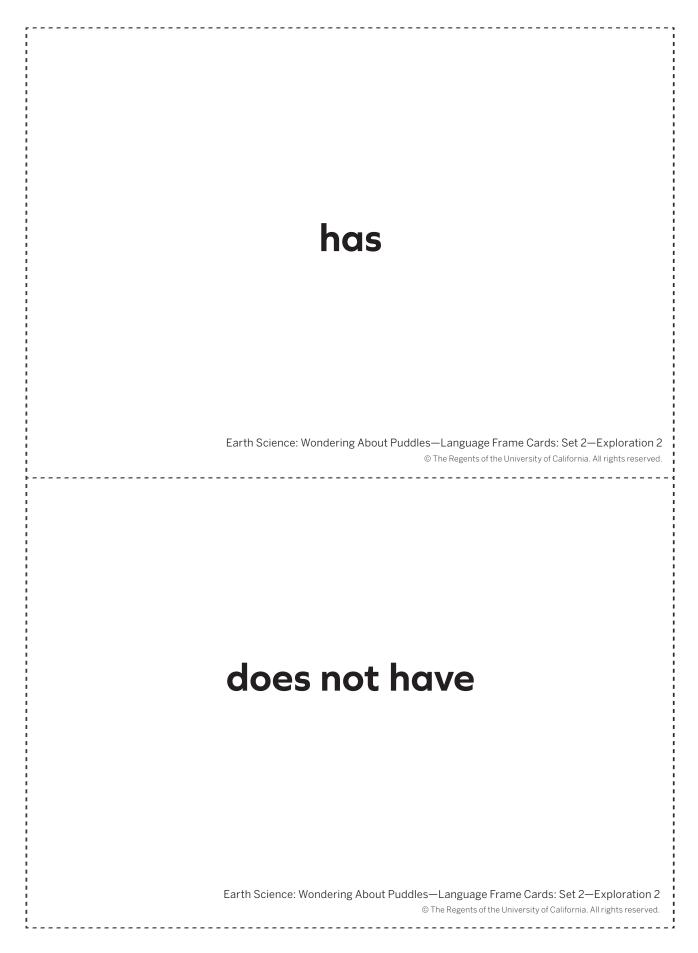
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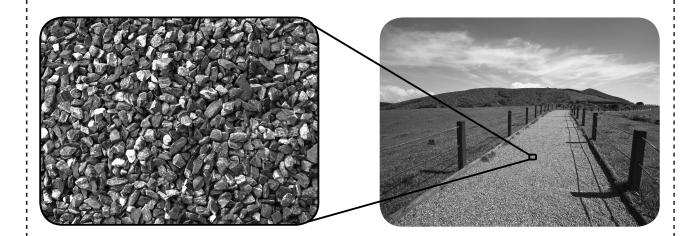
# Science Notebook

Date:		
Name:		

#### Exploration 2:

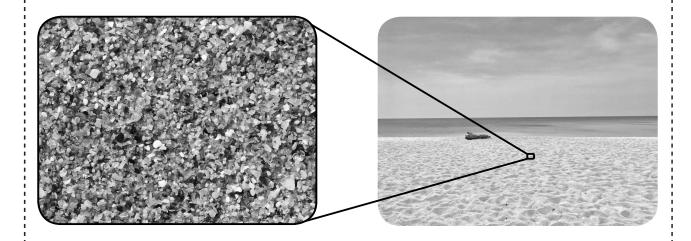
Why Are There Puddles on the Sidewalk but Not on the Path?





#### gravel

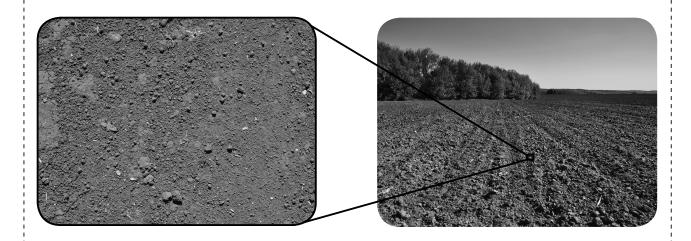
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#### sand

Earth Science: Wondering About Puddles—Language Frame Cards: Set 2—Exploration 2

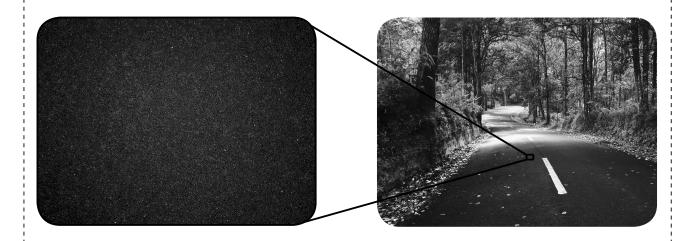
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#### soil

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#### pavement

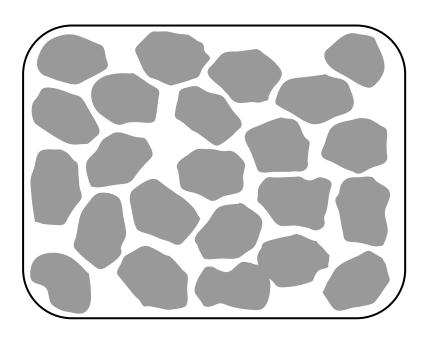
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#### wood chips

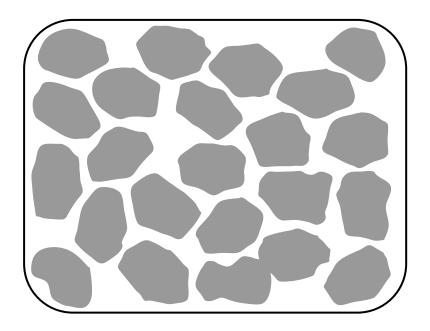
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#### have spaces

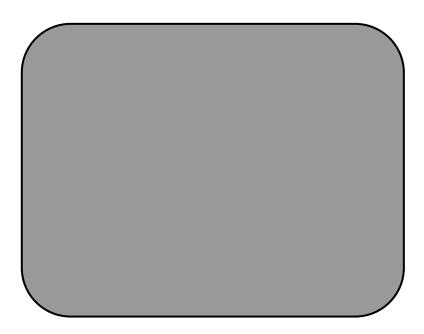
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#### has spaces

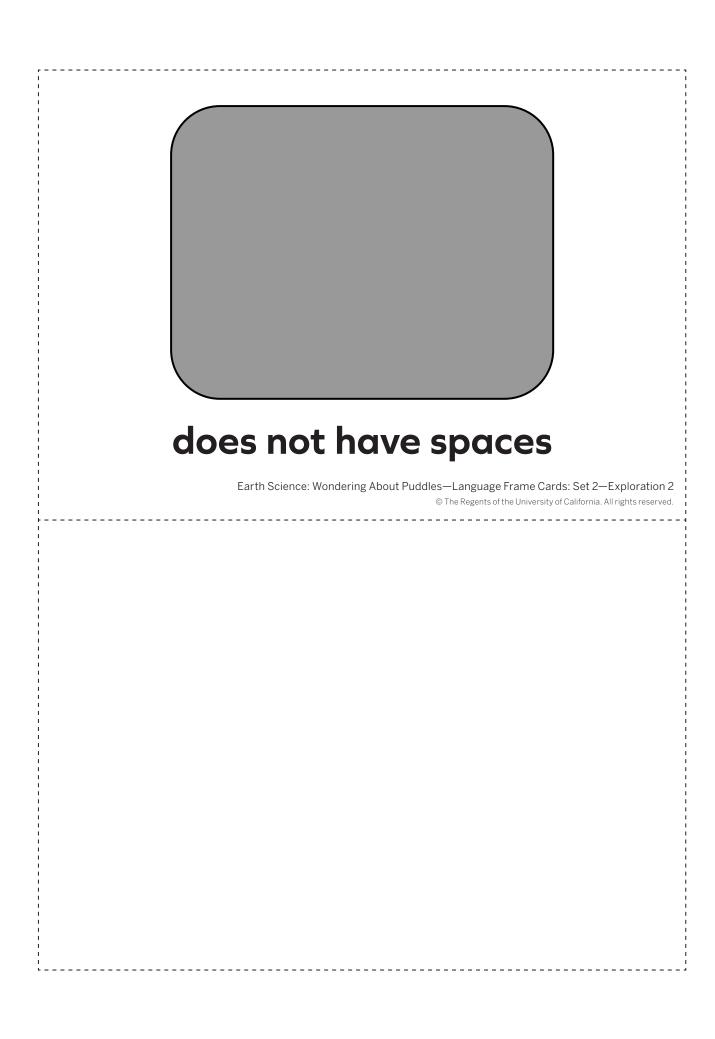
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#### do not have spaces

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#### Exploration 3:

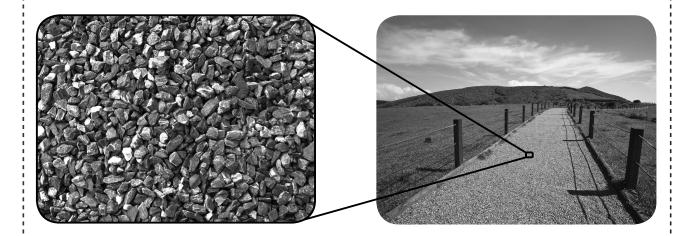
Why Are There Puddles on the Path Sometimes?



Earth Science: Wondering About Puddles—Language Frame Cards: Set 3—Exploration 3

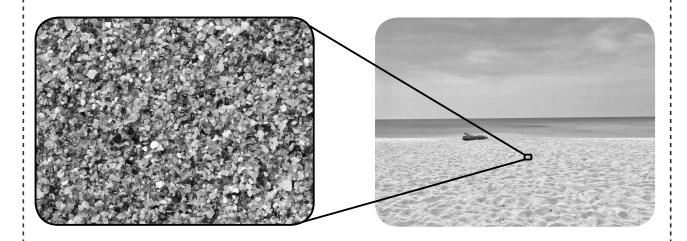
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#### does not have



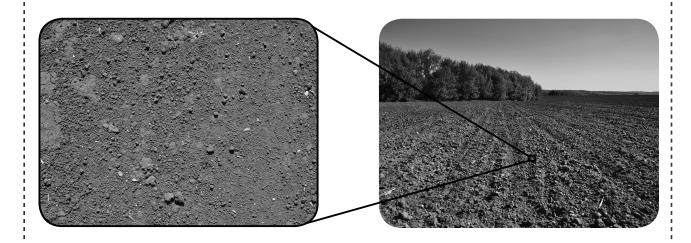
#### gravel

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#### sand

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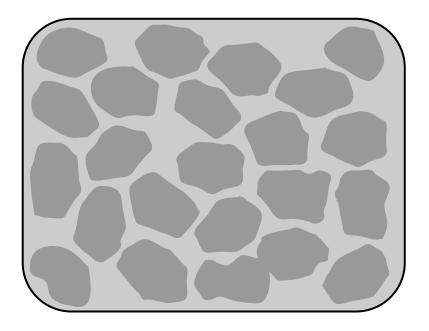
#### soil

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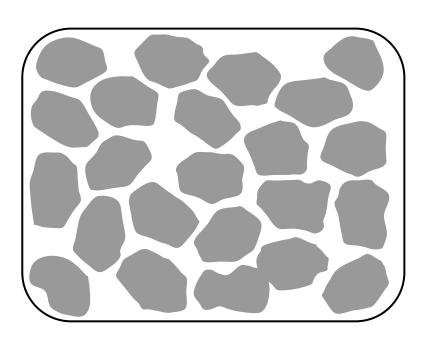
#### wood chips

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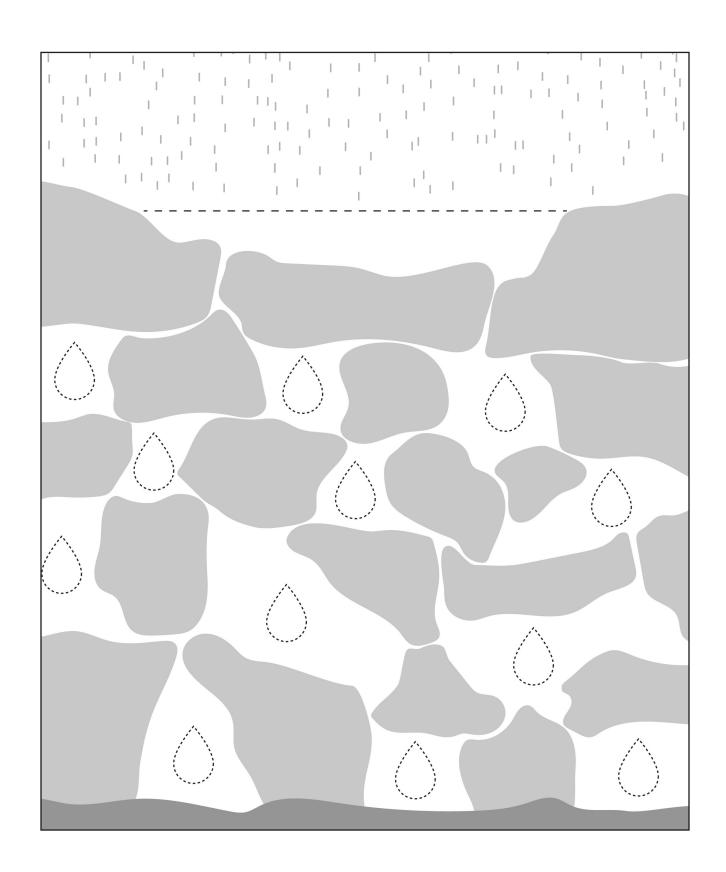
#### full

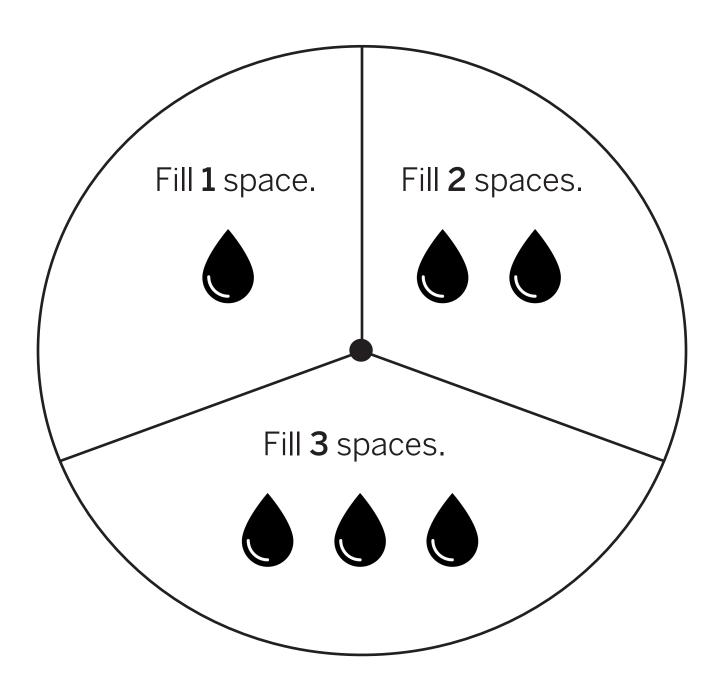
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#### not full

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# Culminating Activity: Creating a Class Book

Date:			
Name:			

Name:	Date:

#### **Home Connection: Mini-Book**

We are concluding our science unit called *Earth Science: Wondering About Puddles*. One of the important science practices that students have learned about is sharing ideas like a scientist. We invite you to engage your student in the following activity to help develop this practice at home.

#### Directions:

- 1. Let your student know that they are going to create a book about puddles. Invite your student to share what they have learned about why there are puddles in some places but not in other places. Students have learned the following science ideas in this unit:
  - Science Idea 1: Water flows down as far as it can go.
  - Science Idea 2: Water flows down into spaces in the ground.
  - Science Idea 3: If the spaces in the ground are full, more water cannot flow down into those spaces.

Reviewing these science ideas with your student may help you support them in talking, drawing, and writing about puddles as they complete this activity.

- 2. Read page 1 of the mini-book to your student. Then, have your student draw a picture in the box on page 2 to depict the sentences.
- 3. On pages 3–6, invite your student to imagine, draw, and then explain places where they might or might not observe puddles. Either help them write a few words to complete the sentences or have them dictate to you so you can record what they say.
  - Example responses for pages 3–4: A drawing of a playground with a puddle in a dip in the pavement and the sentence *This place has a puddle because the water flowed to the bottom of the slope*.
  - Example responses for pages 5–6: A drawing of a sandbox without a puddle and the sentence *This place does not have a puddle because the sand here has spaces for the water to flow into.*
- 4. Once the mini-book is complete, read it aloud with your student. You might also have your student share the book with friends or other family members.

	investigated puddles. can explain what I learned.
This place does not have	am a scientist.
	<b>Explaining Puddles</b>

Name: \_\_\_\_\_

2	
	This place has a puddle
	because
	•