



SCENARIO

Shady Oaks Summer Camp accepts campers from all over the state and allows them to participate in a wide variety of activities while they're at the camp: swimming in the lake, visiting a local wildlife refuge, hiking in caves, eating at a local café in town, picking vegetables at a local farm, going on an overnight camping trip, and going on a tour of the local dairy. The campers are divided into teams of 8, though teammates participate in different activities each week.

This year, six members of Shady Oaks "Team Ninja" have come down with a strange illness that causes dizziness, a rash, and a stomachache. You've been called to the camp to try to determine the source of this strange illness. It might be interesting to note that all but two of the team members were bitten by mosquitos in the past week.

To begin, you'll read through the interviews with all of the members of Shady Oaks Team Ninja. Then, you'll use the information you learn from these interviews to determine the source of the illness.

INTERVIEWS WITH TEAM NINJA CAMPERS

My sister Alexandra and I love coming to camp here. My very favorite activity is going to the wildlife refuge. I really like anything that has to do with animals. Except the mosquitos are driving me crazy! I'll pretty much choose any activity that doesn't require that I go into town...that's not my thing. I'd rather be in nature. I'm pretty bummed I'm sick, though.



I feel fine! I've had the most fun being active: swimming, hiking, camping. But I don't like closed in places. The food at the cafe was pretty good, but I usually skip the tours of places...I prefer to stay at the camp.



I've been coming to Shady Oaks for 5 years, and every year I go on the camping trip. In fact, I pretty much choose all of the activities, although I'm fine with the camp food and don't need to visit the farm because I live on a farm. Too bad everyone is getting sick this year.	My favorite part of camp is the other campers, and I love all of the activities that have to do with food! I could have done without the cave hiking ...the bats freaked me out. And I'm super glad that I didn't go on the overnight or the swim at the lake because everyone who did those got eaten alive by mosquitos! My favorite activity so far? Probably the animal refuge.
Man, I'm not enjoying these stomachaches. I'm glad I got to go on the camping trip and the dairy tour before I got sick. Really, the only things I missed were the refuge and the farm. Maybe I can do them next year.	It's hard to watch my friends having these dizzy spells. Guess I dodged a bullet. This is my first year here, and I decided to visit the animal refuge and the farm. Camping overnight was a blast! But I really don't get what Annalisa liked about the cave hike. I think I only participated in 3 activities this year.
I'm not gonna' lie. I really don't enjoy much about camp. My parents just send me here every summer so they can travel without me. I really don't like being outside, so I choose indoor activities like art and games. Eating at the café was just fine for me, and I guess picking vegetables was okay. I went caving only because my counselor made me go. I guess the good news is that I don't have any mosquito bites.	Well, please don't tell anyone, but I have a serious crush on Cameron, so I pretty much did every activity that he did. Don't judge me.



CLARK

ACTIVITY	Y	N
Lake swim		
Animal refuge		
Cave hike		
Café food		
Local farm		
Overnight camp		
Dairy tour		
Mosquito bites		
Has illness		



JAIME

ACTIVITY	Y	N
Lake swim		
Animal refuge		
Cave hike		
Café food		
Local farm		
Overnight camp		
Dairy tour		
Mosquito bites		
Has illness		



ZARA

ACTIVITY	Y	N
Lake swim		
Animal refuge		
Cave hike		
Café food		
Local farm		
Overnight camp		
Dairy tour		
Mosquito bites		
Has illness		



LU

ACTIVITY	Y	N
Lake swim		
Animal refuge		
Cave hike		
Café food		
Local farm		
Overnight camp		
Dairy tour		
Mosquito bites		
Has illness		



CAMERON

ACTIVITY	Y	N
Lake swim		
Animal refuge		
Cave hike		
Café food		
Local farm		
Overnight camp		
Dairy tour		
Mosquito bites		
Has illness		



MATTY

ACTIVITY	Y	N
Lake swim		
Animal refuge		
Cave hike		
Café food		
Local farm		
Overnight camp		
Dairy tour		
Mosquito bites		
Has illness		



ALEXANDRA

ACTIVITY	Y	N
Lake swim		
Animal refuge		
Cave hike		
Café food		
Local farm		
Overnight camp		
Dairy tour		
Mosquito bites		
Has illness		



ANNALISA

ACTIVITY	Y	N
Lake swim		
Animal refuge		
Cave hike		
Café food		
Local farm		
Overnight camp		
Dairy tour		
Mosquito bites		
Has illness		

ANALYZING THE DATA

Instructions: Place Y (yes) or N (no) in each space to show what you know about each camper.

Activity	Clark	Zara	Cameron	Alexandra	Jaime	Lu	Matty	Annalisa
Lake swim								
Animal refuge								
Cave hike								
Café food								
Local farm								
Overnight camp								
Dairy tour								
Mosquito bites								
Has illness								

YOUR REPORT

What is the cause of this mystery illness? _____

How do you know? _____

What did you have to do to figure this out? _____

How do you think your work here is similar to the work of epidemiologists? _____

How do you think your work here is different from the work of epidemiologists? _____

Activity 2: Mystery Ailment

Your child will do an investigation following clues on the activity pages provided. Based on the camper's activities, the hike in the cave was probably the source of the illness, which may be related to bats.

"Mystery Ailment" Answer Key

Activity	Clark	Zara	Cameron	Alexandra	Jaime	Lu	Matty	Annalisa
Lake swim	Y	Y	Y	N	Y	N	N	Y
Animal refuge	Y	N	Y	Y	N	Y	N	Y
Cave hike	Y	N	Y	Y	Y	N	Y	Y
Café food	N	Y	N	Y	Y	N	Y	N
Local farm	Y	N	N	Y	N	Y	Y	N
Overnight camp	Y	Y	Y	N	Y	Y	N	Y
Dairy tour	Y	N	Y	Y	Y	N	N	Y
Mosquito bites	Y	Y	Y	N	Y	Y	N	Y
Has illness	Y	N	Y	Y	Y	N	Y	Y

Solve the Outbreak

www.movingbeyondthepage.com/link/9201/

If your child is especially interested in this topic and has access to an iPad or Android device, he may want to download this free game.