n	ISE	ASE.	DETE	CTIV	JES.

Augusta State University 2005 Regional

Participants:	
1	

<u>Directions</u>: The numbers in parenthesis indicates the values of the answers.

1. (11) A group of people developed a variety of intestinal problems a day after attending the picnic. The various foods they are appear below.

Sickness among people eating various foods

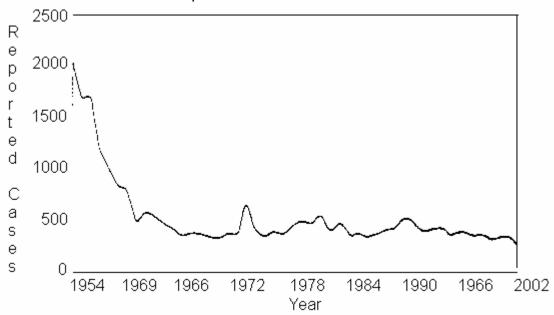
Food Consumed	Number eating this food	Number developing symptoms	
Green salad and sliced chicken	100	73	
Noodles and black beans	50	21	
Noodles and egg salad	80	24	
Egg salad and sliced chicken	40	0	

a.	(2) What food is the most likely source of the problems?			
b.	(1) Which food, noodles and beans or noodles and egg salad had the greatest percentage of people getting sick?			
c.	(1) Which percentage was the highest?			
d.	(6) Describe three ways that the suspected food may have become contaminated.			
	1			
	2			
	3			
	4			
e.	(1) What term is used to describe a sudden increase in a disease?			

2.		er, but					Each disease will have only one e. Other answers may be not be
		a.		Lime diseas	se	A. B.	mosquito borne Tick borne
		b.]	Malaria		D.	C. Food/water borne Blood/sexual transmission
		c.		_HIV		E.	Unknown or not given
		d.		_E. coli			
		e.		Yellow feve	er		
		f.		_ Athletes' fo	oot		
3.	foll out	ow, in break.	Correct Not a	ct order, to de ll the number	etermine the prob red steps need to	oable org be used	List the steps you would ganism that caused the .
	_						
	2						
	3						
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	4						
	5						
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	6						
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(Note for evaluator: This question is based upon Koch's postulates.)

4. (4) The graph shows the incidence of tuberculosis from 1954 to 2000. On the graph, circle an incidence of an epidemic.



5. (11) Match the kind of organism with the disease that it causes. Some answers may be used more than once; others not at all. Each disease will have only one answer.

Diseas	<u>se</u>	<u>Organism</u>			
	cold	A. protozoan B. fungus			
	tuberculosis	C. bacteria D. virus			
	Mad cow disease	E. agent unknown or not given			
	AIDS				
	athletes foot				
	syphilis				
	_ bacterial pneumonia				
	_ colon cancer				
	_ dental cavities				
	red tide/paralytic shellfish poisoning				
	influenza				