## ADDIE'S STORY VIDEO QUESTIONS (ANSWER KEY)

Answer the following questions as you watch the PBS Frontline video Hunting the Nightmare Bacteria.

- 1. What did they find in Addie's lungs?
  - A. Blood

B. Water

- C. Pneumonia
- 2. What did the doctor think was most likely happening to Addie?
  - A. A staph bacterium was causing septic shock.
  - B. Her pneumonia had spread.
- 3. Why are gram negative bacteria so hard to treat with antibiotics?

They have a protective armor, the cell wall, to prevent antibiotics from getting in to kill it.

- 4. What does it mean if a bacterium is pan-resistant?
  - A. It is resistant to a few different kinds of antibiotics.
  - B. It cannot be treated with any antibiotics. It is resistant to them all.
- 5. Addie had "community acquired" resistant staph. How did Addie get this infection?
  - A. Previous hospital visit
  - B. Picking at scabs
  - C. Contaminated food
  - D. Fall on the playground
- 6. When Addie became sick, what was her first symptom?
  - A. Difficulty breathing
  - B. Nausea/Vomiting
  - C. Pain in hip
  - D. Diarrhea
- 7. What does pan-resistant mean?
  - A. Bacteria resistant to all antibiotics
  - B. Bacteria resistant to most antibiotics
  - C. All bacteria resistant to antibiotics
  - D. Resistant to pans

	A.	Iron lung								
	В.	Permanently on EC	MO							
	C.	Lifetime on antibio	tics							
	D.	Lung Transplant								
9.	What i	s NDM-1 and why is	s it so	dangerou	ıs?					
	<mark>An</mark>	enzyme that is resis	tant t	o any anti	biotics.					
10.	How w	ras David injured wh	hile ir	n India?						
		Bitten by a dog								
		Run over by a train								
		Cut his hand on sor		etal						
	D.	Skinned his knee w	ith a i	fall						
11	Llow m	any surgeries did Da	avid k	avo to ro	maya inf	netions?				
11.		, -			move mie			_	0	
	A.	1	B. 2	2		<mark>C. 4</mark>		D.	8	
12.	Since tl	nis infection cannot	be cu	ired, what	t treatme	nt was most e	ffective?			
	A.	Lung transplant								
	В.	Amputate both leg	S							
	C.	Amputate left arm								
	D.	Amputate more of	right	leg						
13.	In the e	end, how many peop	ple w	ere infect	ed with K	PC? How man	y died?			
	A.	2/2	В. 2	28/18		C. 18/6		D.	18/18	
14.	Where	do large numbers o	of grai	m-negativ	e bacteria	a live in the bo	dy?			
	A.	In the digestive sys	<mark>tem</mark>							
	В.	On the skin								
	C.	In the reproductive	syste	em						
	D.	In the respiratory s	ysten	า						

8. What treatment was Addie's best chance for survival?

15. KPC (K. pneumoniae carbapenemase) is a "homegrown" enzyme from the US. What city was i predominantly located in at the time the video was made?										
	A.	Boston, MA								
	В.	Portland, OR								
	C.	Los Angeles, CA								
	D.	New York, NY								
16. Despite following strict quarantine protocols, what happened five weeks after the first patient was released from the hospital?										
	A.	The patient died								
	B. A staff member was diagnosed with the infection									
	C. The bacteria was found on some equipment									
	D.	A second patient wa	s admitted with the in	nfection						
The	e follow	ing is not a question:								
a o g	ntibiotio ther sar rown rig What p	paper infused with a decise of the control of the c	he bacteria being test ia are resistant to tho	ed. The one on ose antibiotics.	the left is parti The photo shov	ially effective. The ws the bacteria have				
		•	B. 50%	C. 75%	D	100%				
18.	The	bacteria are expo		the likel	y the bacteria a					
19.	Nearly	% of antibiotic u	se is thought to be u	nnecessary or	inappropriate					
			B. 75	<mark>C. 50</mark>		25				
20.	change	erm is used to descril over time in order to aptation	•	•	as bacteria in A	Addie's story, to				

Adapted from: Sabasowitz, T. (n.d.). 'Hunting the Nightmare Bacteria' Documentary. Edpuzzle. https://edpuzzle.com/media/5fc8e12cd6c23e40b3820a56