

MISSION BRIEFING Mission Log

Teacher Version

Teacher Directions: Ask students to fill in the clues in the answer column as they proceed through the mission.

Question	Answer
NCDC Headquarters	
1. _____ are diseases that can be passed from animals to humans.	Zoonoses
2. Match each disease to the pathogen that causes it. 1. rabies 2. ringworm 3. mad cow 4. anthrax	<u>1.</u> virus <u>2.</u> fungus <u>3.</u> prion <u>4.</u> bacteria
3. List two of the causes for the increasing number of zoonotic diseases.	Any two of the following: Larger Human Population, Rapid Air Travel, Changing Environment, Bioterrorism and War, Microbe Evolution
BioDefense Research Facility	
4. List the four “Category A” pathogens that are zoonotic diseases.	Anthrax Plague Tularemia Viral Hemorrhagic Fever
5. Match each type of anthrax with the organ(s) it affects. a. Cutaneous Anthrax b. Gastrointestinal Anthrax c. Pulmonary Anthrax	<u>C</u> Lungs <u>A</u> Skin <u>B</u> Digestive System
Neuropolis University	
6. After handling any animal, including your pets, you should always _____.	wash your hands
7. True or False: You can catch a zoonotic disease from unwashed vegetables.	True

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Biosafety Level 4 Lab	
8. Why do researchers tape their gloves and socks to their BSL4 coveralls?	To prevent contamination
Farm	
9. What did the Japanese use to spread plague infected fleas over China before World War II?	Clay (or ceramic) bombs
10. From where did the terrorist get the anthrax bacteria?	From the sick cows on the farm

MISSION BRIEFING: Mission Log

Name _____ Class _____ Date _____

Directions: Record your observations by finding the clue that correctly matches each description. Write down the clues as you proceed through the mission.

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2. Match each disease to the pathogen that causes it. 1. rabies 2. ringworm 3. mad cow 4. anthrax	1. 2. 3. 4.
3. List two of the causes for the increasing number of zoonotic diseases.	1. 2.
BioDefense Research Facility	
4. List the four "Category A" pathogens that are zoonotic diseases.	1. 2. 3. 4.
5. Match each type of anthrax with the organ(s) it affects. a. Cutaneous Anthrax b. Gastrointestinal Anthrax c. Pulmonary Anthrax	____ Lungs ____ Skin ____ Digestive System
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Biosafety Level 4 Lab

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10. From where did the terrorist get the anthrax bacteria?