

# *MISSION BRIEFING:* Mission Log

## TEACHER VERSION

**TEACHER DIRECTIONS:** Ask the students to fill in the **ANSWER** column as they proceed through the mission.

Question	Answer
<p><b>A.</b> In the <b>Enemy Agents</b> challenge, you meet up with six different infectious agents. Name them.</p> <p><b>B.</b> Which type of infectious agent are a tapeworm, a roundworm, and a hookworm?</p>	<p><b>A.</b> bacterium, virus, protozoan, fungus, prion, and helminth</p> <p><b>B.</b> helminth</p>
<p><b>A.</b> In the <b>Koch's Concepts</b> challenge, why is it necessary to wash the orange before infecting it with the fungus?</p> <p><b>B.</b> Who worked out the four-step procedure scientists use to determine if a specific germ causes a particular disease?</p>	<p><b>A.</b> To sterilize the oranges (kill other germs that may be on the orange).</p> <p><b>B.</b> Dr. Robert Koch</p>
<p><b>A.</b> In the <b>Germ Blaster</b> challenge, which types of infectious agents can be killed by antibiotics?</p> <p><b>B.</b> Which pathogen has no treatment?</p>	<p><b>A.</b> bacterium, fungi, and protozoan</p> <p><b>B.</b> prions</p>
<p><b>A.</b> In the <b>Infect-O-Rama</b> challenge, what are the ways in which viruses can be spread?</p> <p><b>B.</b> Which two modes of transmission are common to five of the infectious agents?</p>	<p><b>A.</b> Viruses can be transferred by hand, food, water, doorknob, mosquito (animal), and a sneeze.</p> <p><b>B.</b> food and water</p>
<p><b>A.</b> In the <b>Body Defender</b> challenge, what two body parts make up the first line of defense against pathogens?</p> <p><b>B.</b> What is the name of the proteins made by B cells that can bind (connect) to a specific pathogen?</p>	<p><b>A.</b> skin, mucous membranes</p> <p><b>B.</b> antibodies</p>

# ***MISSION BRIEFING:*** Mission Log

Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

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

Question	Answer
<p><b>A.</b> In the <b>Enemy Agents</b> challenge, you meet up with six different infectious agents. Name them.</p> <p><b>B.</b> Which type of infectious agent are a tapeworm, a roundworm, and a hookworm?</p>	<p><b>A.</b></p> <p><b>B.</b></p>
<p><b>A.</b> In the <b>Koch's Concepts</b> challenge, why is it necessary to wash the orange before infecting it with the fungus?</p> <p><b>B.</b> Who worked out the four-step procedure scientists use to determine if a specific germ causes a particular disease?</p>	<p><b>A.</b></p> <p><b>B.</b></p>
<p><b>A.</b> In the <b>Germ Blaster</b> challenge, which types of infectious agents can be killed by antibiotics?</p> <p><b>B.</b> Which pathogen has no treatment?</p>	<p><b>A.</b></p> <p><b>B.</b></p>
<p><b>A.</b> In the <b>Infect-O-Rama</b> challenge, what are the ways in which viruses can be spread?</p> <p><b>B.</b> Which two modes of transmission are common to five of the infectious agents?</p>	<p><b>A.</b></p> <p><b>B.</b></p>
<p><b>A.</b> In the <b>Body Defender</b> challenge, what two body parts make up the first line of defense against pathogens?</p> <p><b>B.</b> What is the name of the proteins made by B cells that can bind (connect) to a specific pathogen?</p>	<p><b>A.</b></p> <p><b>B.</b></p>