Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

****

**Lesson 2: Biological Warfare**

Biological warfare is the use of biological weapons like toxins, bacteria, viruses, or fungi with the intent to injure or kill people. Terrorists use biological warfare to spread diseases that can make people extremely sick. Are you ready to see the effects of biological warfare?

**Doing the Science**

1. Select the Simulation tab to open the Agent Impact simulation.

2. Select “Low” for the population density.

3. Select “Biological” for the type of agent.

4. Select “Min Impact” for the impact.

5. Click “Start” to begin the simulation of the biological warfare.

6. After the effects of the agent have worn off, record the casualties in Table 1 below for low population density and in Table 2 for high population density.

7. Repeat steps 2–6 except with “Max Impact” for the impact instead of “Min Impact” in step 4.

8. Select “High” for the population density.

9. Repeat steps 3–7 for the high population biological warfare.

**Table 1. Low Population Density**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Hospital** | **Clinics** | **Drug Stores** | **Morgue** |
| **Minimum Impact** |  |  |  |  |
| **Maximum Impact** |  |  |  |  |

**Table 2. High Population Density**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Hospital** | **Clinics** | **Drug Stores** | **Morgue** |
| **Minimum Impact** |  |  |  |  |
| **Maximum Impact** |  |  |  |  |

**Do You Understand?**

1. Why does it take such a long time for the effects of the biological weapon to wear off?

2. Why are there many more people in the hospital than in the morgue?