**Georgia Elementary Science Olympiad**

**Disease Detective Event**

[**https://www.cdc.gov/mobile/applications/sto/web-app.html**](https://www.cdc.gov/mobile/applications/sto/web-app.html)

**Level 1 Missions**

**1 - Fill in the chart as you complete each mission listed below.**

**2 - Be sure to record details about each case along with other helpful notes.**

**3 - Use the ICONS to see data and notes or click the LEARN button to learn more.**

** **

**4 - The more questions you answer correctly, the higher your score will be!**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Mission** | **Symptoms** | **Clues & Observations** | **Cause of Outbreak & Source** | **Treatments &/or Precautions** |
| **The Village of Gold**  **\_\_\_\_\_\_**  **Points Earned** |  |  |  |  |
| **The Queens Killer**  **\_\_\_\_\_\_**  **Points Earned** |  |  |  |  |
| **Conference Blues**  **\_\_\_\_\_\_**  **Points Earned** |  |  |  |  |
| **Birthday Party Gone Bad**  **\_\_\_\_\_\_**  **Points Earned** |  |  |  |  |

**Part B: Discussion Questions - Answer these questions based on the information from your chart.**

**1) Which symptoms did your four cases have in common? List the top 3.**

**2) How many of the 4 outbreaks were caused by each of the following pathogens/toxins?**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bacteria** | **Virus** | **Parasite** | **Other** |
|  |  |  |  |

**3) How many of the 4 outbreaks were treated with the following treatments?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Antibiotics** | **Antiviral** | **Vaccine** | **Other** | **None** |
|  |  |  |  |  |

**4) What four things can we learn from an epi-curve? Hint: Click the LEARN button if you do not remember.**

**5) Which badges did you earn?**

**6) Use the search tools on the CDC website to learn more about the diseases you explored in this activity.**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Name of Disease** | **Most Recent Case(s)**  **Where & When** | **How many people were affected? Explain how.** |
| **1** |  |  |  |
| **2** |  |  |  |
| **3** |  |  |  |
| **4** |  |  |  |