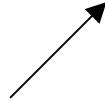


Sick 0809

A group of high school students have become very ill after attending a party. You have been asked to work with the state epidemiologist to investigate the outbreak.



Submit an epidemiological report to the MMWR editorial board. Present the results of your epidemiological investigation to professionals and community members on Thursday, December 11th.



*Hot Zone*, Richard Preston  
*Spoiled*, Nicols Fox  
*The Emperors Sausage*, Charles T. Gregg  
*The Third Ingredient*, O'Henry  
*The Jungle*, Sinclair

Halogen  
Bacteria  
Gram stain

LA

Technical writing  
Reading  
Speaking and listening

Sci

Epidemiology  
Cell structure  
DNA fingerprinting  
Pool Chemistry  
Bacteriology  
Virology

SS

Public Health  
Government agencies

**SICK Standards 0809**

**Language Arts:**

**Content Standard: 1. Reading**

**Content Standard: 2. Writing**

**Content Standard: 3. Speaking**

**Science**

**Content Standard: 1. Concepts and Processes**

1.1 The cell. Processes of life, form and function, cellular differentiation, metabolic activity, growth, regulation, transport, homeostasis and differentiate between asexual and sexual reproduction.

1.2 Species continuity ensured as genetic information passes from generation to generation. Use genetic information to predict offspring.

DNA and genes as they apply to recent discoveries.

1.10 Atomic and subatomic structure, properties and interactions. Organization of the periodic table. Transfer and sharing of

electrons. Chemical versus physical properties and changes. Physical states of matter and phase changes.

1.11 Chemical reactions are ubiquitous. Chemical reactions may release or consume energy, occur at different rates, result in the formation of different substances. Factors affecting reaction rates.

**Content Standard: 2. Science as Inquiry**

2.1 Research and present scientific information

2.2 Using inquiry to conduct scientific investigations.

2.3 Clearly communicate own inquiry results and information from other sources

2.4 Relationship between science and technology, technology and human needs

2.5 Safety procedures

**Content Standard: 3. History and Nature of Science in Personal and Social Decisions**

3.1 Impact of scientific evolution; misuse of scientific information

3.2 Scientific information is used to make decisions

**Social Studies**

**Content Standard: 5. People, Places and Environments**

5.1 Interpret charts, graphs and maps to answer questions about people, places events and environments.

5.3 Organize and process information about people, places and environments