*Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period\_\_\_\_\_\_ Due Date\_\_\_\_\_\_\_\_\_\_*

**Lakeridge MUN Topic Study Guide**

**Sustainable Water: Clean Water and Sanitation**

1. Describe the water cycle. (Make a sketch and label it)

2. Describe the Orographic Effect. (Make a sketch and label it)

3. Define, describe or give examples of the following **in terms of water**:

 a. Aquifer

 b. Desertification

 c. Pollution

 d. Filtration

 e. Harvesting

 f. Recycling

 g. Water-borne disease

 h. Privatization

 i. Drought

 j. Surplus

**Sustainable Agriculture: Zero Hunger**

1. Identify and Describe three (3) characteristics of the Green Revolution

 a.

 b.

 c

2. Describe the following methods of agriculture:

 a. Terracing

 b. Slash and burn

 c. Subsistence farming

 d. Commercial farming

 e. Factory farming

 f. Nomadic herding

 g. Plantaions

 h. Intensive farming

 i. Genetic modification (GMO’s)

**Sustainable Energy: Affordable and Clean Energy**

|  |  |  |
| --- | --- | --- |
| ***Energy Type*** | ***Advantages*** | ***Disadvantages*** |
| **Oil** |  |  |
| **Natural Gas** |  |  |
| **Geothermal** |  |  |
| **Hydroelectric** |  |  |
| **Nuclear** |  |  |
| **Wind** |  |  |
| **Solar** |  |  |
| **Coal** |  |  |

**Sustainable Cities and Communities**

Define, describe or give examples of the following in terms of **cities and communities**:

1. Infrastructure
2. Poverty
3. Waste Management
4. Recycling
5. Air Pollution
6. Water Pollution
7. Crime and Safety
8. Energy Efficiency
9. Renewable Resources

**Climate Action**

How is Climate Change affecting the following (give examples and locations where this is happening):

1. Ice, including ice caps and glaciers.
2. Islands and low-lying areas bordering the oceans.
3. Growing Seasons.
4. Ocean species.
5. Other Flora and Fauna (Species).
6. Economies (How people and communities provide for their needs.