Long Island Sound in a Jar Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Read the article on Long Island Sound – The Estuary and answer the following Questions.

1. Describe some of the physical features of the Long Island Sound
2. Explain how a sound is different from an ocean.
3. What is an estuary?
4. Explain how the Long Island Sound gets salt water
5. Explain how the long island Sound gets fresh water (list the major sources and how does it enter LIS)
6. What is an Ecosystem and why is the LIS considered an ecosystem?
7. What is a habitat and explain how the LIS is considered a habitat?
8. What are the basic habitats of LIS?
9. What is meant by the “Race” in this article?
10. What is Salinity?
11. Explain how the LIS’s salinity is different from the Ocean’s salinity and describe how it changes over the year.
12. Explain why it is difficult for organisms to survive in an Estuary like LIS.
13. Complete the table below regarding the Habitats of LIS

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| --- | --- | --- | --- |
| **Name of Zone** | **Description** | **Organisms that live there** | **Other essential Information** |
| **Subtidal Zone** |  |  |  |
| **Water Land Interface** |  |  |  |
| **Intertidal Zone** |  |  |  |
| **Salt Marsh** |  |  |  |
| **Tidal Flats** |  |  |  |
| **Rocky Intertidal Zone** |  |  |  |
| **Sandy Beaches** |  |  |  |

1. Describe at least two ways humans have impacted LIS