Quiz # 10

**WATER POLLUTION**

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**Critical Thinking Question (20 points each)**

1. Do you think that Pasig River can still be recovered? Explain.

Yes for me, because we can protect the Pasig River if we don’t throw out garbage and make sure the trash is disposed of correctly, so that it doesn’t get into our river.

1. What are the different methods of solving oil spill? Explain

* **Oil Booms -** The purpose of booms is to contain and redirect oil spilled at sea, divert it away from critical resources, or secure it. However, with the rapid spread of floating oil and environmental elements such as currents, tides, and wind, boom operation will be limited.
* **Skimmers -** Using this device, spilled oil can be collected from the surface of the water. It can be pushed by itself, used from shore, or worked from a boat. The oil above the surface of the water will pour over the dam and be collected in a well underneath, taking with it as little water as possible.
* **Dispersants -** The chemical compounds in oil that aid in breaking down a slick into very small droplets that disperse throughout the water are called dispersants.

1. Explain the effects of oil spill and red tide to nearby coastal communities.

There is the potential to get sick and disease that can infect the community, as well as cause the fish to die in the ocean.

1. Explain how the janitor fish and water lilies become biological pollutants.

The janitor fish is a tropical fish that eats dirt and waste. Water lilies are a tropical plant type, thus they can help to clean water and lower carbon dioxide levels.

**Applying the Concepts (50 points each)**

1. Visit a nearby body water in your area. Be able to list the common pollutants that you can find and give the possible effects of these to the inhabitants of the water and the community.

In the close by waterway, one can notice pollutants, there is a great deal of trash in the marikina river, which can affect its inhabitants and the community at large. In marikina, there is a lot of plastic trash, which harms animals and the environment, which takes longer to decompose and causes flooding. A littered river can also be eaten by aquatic creatures, which puts them at greater risk and can impact the survival rate of those creatures. Trash also contains chemicals that may be harmful to the creatures.

**WORD SEARCH PUZZLE (2 points each).**

**Find the following words:**

1. **Oil 6. River**
2. **Acid 7. Plastic**
3. **Mining 8. Waste**
4. **Pollutant 9. Saxitoxin**
5. **Lakes 10. Algae**

