

Name _____ Hour _____ Score ____/42

The Great Pacific Garbage Patch

[Article Link](#)

Each question is worth 3pts.

1. Describe the Great Pacific Garbage Patch.
2. Define a gyre:
3. How many gyres are there in the world? Fig. 1 Name them.
4. Why does the amount of plastics accumulate to such high levels in the gyres?
5. Which parts of the GPGP have the **highest concentration** of plastics? (middle or outside of the patch) use Fig. 2
6. How big is the GPGP?
7. Where are most the plastics **located vertically** in the ocean in the GPGP? Fig 3
8. Explain how the density of plastics plays a role in the floating GPGP.
9. Explain the role fossil fuels plays in the garbage vortex problem ...where do plastics come from.
10. If the oceans were freshwater would the plastics float as high? Explain.

10. Over **time** what pattern is apparent within and around the GPGP for concentration of plastics?

11. Where does the garbage come from that is in the Pacific gyre?

12. Where do the tiny pieces (the microplastics) of plastic in the ocean mostly come from?

13. State one negative effect that plastics have in affecting the wildlife in and around the oceans.

14. What is a solution for fixing the garbage patch problem?