**GREAT GARBAGE PATCH WEBQUEST**

Go to the following website: [http://www.mnn.com/earth-matters/translating-uncle-sam/stories/what-is-the-great-pacific-ocean-garbage-patch](http://www.mnn.com/earth-matters/translating-uncle-sam/stories/what-is-the-great-pacific-ocean-garbage-patch%22%20%5Ct%20%22_parent) and answer the following questions.

1. Describe the ***“Great Pacific Ocean Garbage Patch”***.
2. Go to the Flash Player Image and click **REPLAY** about 4 times and watch the movement of the bluish-purple dots in 6-second intervals. Explain what the dots represent.

3. a) Click ZOOM, scroll over and read all the objects highlighted in orange.

b) Do an Internet search and give a definition and copy, print and paste an image of Resin Pellets below. You will be copying and printing 3 more pictures later in this webquest, so make a document and save all of your pictures and print all at one time. Remember that they have to fit in the space provided.

4. Where is The Great Garbage Patch (GGP) and around what ocean currents?

1. How far stretched is the GGP in miles and what American State do scientists say it’s close to the size of?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. What does Biodegradable mean?
2. What does Photogradable mean?
3. Since plastic is one of the major pollutants in the GGP and it is photodegradable, why is it still such a huge problem?
4. Explain very briefly how the GGP is formed.
5. What is a **“GYRE”**?
6. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Patch and The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Patch make up the Great Pacaific Ocean Garbage Patch.

12. How many years may it take for plastic to reach the GGP? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. What are the 3 main marine debris factors that threaten environmental health?
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Scientists say that we really can’t clean up the GGP, but what are 2 things we can do to help?
	1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
	2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Explain why some people call the “Great Garbage Patch” the “Trash Vortex”.
4. Is there a Garbage Patch in the Atlantic Ocean? If so, describe it and its location. YES or NO

Description:

Location:

1. Is plastic recyclable? If so, how come a lot of stores stopped given out plastic bags to their customers?
2. Explain the philosophy (attitude) behind the environmental slogan (term) REUSE, REDUCE and RECYCLE!!!
3. Copy and paste 3 pictures that relate to the Great Pacific Ocean Garbage Patch. (One of the

pictures must show either its geographical location or its location with respect to ocean currents that are close by.)