**ACID TEST: The Global Challenge of Ocean Acidification Video Questions**

1. List **two** things we depend on the ocean for:

2. What are our **TWO** current environmental problems related to carbon?

3. How can we avoid these two problems?

4. Why did scientists originally think carbon absorption in the ocean was a good thing?

5. Ocean acidity has gone up by % since the Industrial Revolution.

6. How does this increased acidity in the oceans affect marine organisms with shells?

7. List two LOCAL species that would be affected by this increase in ocean acidity.

8. It is projected that by the year \_\_\_\_\_\_\_\_\_\_ all shells will be dissolved.

9. What is the name of the organism that is particularly vulnerable to acidic ocean waters?

10. How does the vulnerability of pteropods (planktonic snails) and plankton affect the oceanic food web?

11. How will humans be affected as part of the oceanic food web?

12. \_\_\_\_\_\_\_\_\_\_ in species in the ocean lives on the coral reef.

13. How will an increase in the number of marine protected areas (MPAs) and more sustainable fishing practices help the ocean cope with acidification?

14. How do we stop ocean acidification from getting worse?

15. What are TWO alternative energy sources that we can use *instead of* burning fossil fuels (like coal)?

***\*End of Film\****

16. What are **THREE** things you can do personally to reduce your consumption of fossil fuels or carbon emissions?

1.

2.

3.

17. How does carbon dioxide cause water to become more acidic?

18. What is the natural pH range for our oceans? Is this acidic or basic?