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## **Week 3 Questions**

Water Testing and Measurement		
How many parameters will our water test strips test?		
2. Name three of the parameters that we will test for. a b c		
3. A result that is underlined in red indicates that the sample is the		
4. The Red Sea Algae Control Test Kit tests for and		
5. For the first test of the Red Sea test kit (PO4), do the following:		
a. Begin with mL of sample water. b. Add drops of reagent A. c. Swirl seconds. d. Add seconds. f. Wait minutes.  For the second test of the Red Sea test kit (NO3), do the following:  A. Begin with mL of sample water. B. Add drops of reagent A. C. Swirl seconds. D. Add level scoop of reagent B. E. Swirl seconds with the lid on. F. Add level scoop of reagent C (with a different spoon). G. Swirl seconds with the lid on. H. Wait minutes.		
6. High-range test only if necessary.		
Begin with mL of sample water with mL of RO water. Then follow Steps B through H from #5 above.		
7. Spectroscopy: The study of radiation emitted or absorbed by a species.		
8. Spectrophotometry is a type of spectroscopy that measures how much is by a chemical substance by measuring the of the light beam that is not absorbed.		



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9. What we see from color isabsorbed light.	light, the difference between incident light and
10. Parts of a spectrophotometer:  a. Light source b. Collimator () c. Monochromator ( or grating) d selector (slit) e. Sample solution (in cuvette) f. Detector () g. Digital display or meter  The relationship between absorbance and transmittance is	logarithmic.

