

Don't forget to have your worksheet stamped at the front desk when you finish!



SEYMOUR CENTER AT LONG MARINE LAB

"What is Science?" (Orange Pod)

1. What is science and what does it require?
2. From the video, describe several interesting things that Burney Le Boeuf has learned about elephant seals.
3. Turn the drum to learn about the *life history* of elephant seals. Fill in the chart for the location of the male, female, and pup elephant seals during a one-year period. **Design a graph on the attached page to illustrate the location of one individual during a full year.**

	Male	Female	Pup
January			born on beach
February	beach/sea		
March		sea	
April	sea		
May			beach/sea
June		sea	
July	beach (molt)		
August		sea	
September			beach (molt)
October	sea		
November		sea	
December			sea

Use the space below to design a graph that illustrates the location of either a male, female, or pup elephant seal during a full year.

3a. What does your graph tell you about where the elephant seal spends its time?

4. List the steps taken by John Pearse during his 1st survey (1971) of local tide pools. What were his findings? How did these compare to his 1996 survey?

5. Practice using the “quadrat” to compare the findings at Davenport Landing vs. Natural Bridges. Discuss the findings and why the scientist believes this is so.

6. How do stereoscopes help geologists like Gary Griggs?

7. Describe how a summer beach differs from a winter beach, and why this change occurs?

8. What is the importance of Gary Griggs’ findings and how can people use this information?