

Sec.: _____ Name: _____

Experiment: Sock - Eye Salmon (Video)
(B. Science 10-V-19)

Purpose: To understand the life cycle of the Sockeye Salmon of the Pacific.

Materials: video "Miracle of the Scarlet Salmon" (Science tape #1)

Methods: For each stage of the life cycle of the salmon record the missing pieces of the chart as you watch the video. Also answer questions as you watch the video.

stage	age	physical development	geographic location
1. egg	October 1 month	life like structures, has heart starting to mature	Adams River, B.C.
2. alabin	Feb. 1-3 month		
3. fry	May to one year		Shoeshwa Lake B.C. British Columbia
4. smolt	1 more year		

Answer the questions as you observe the video.

1. What happens as soon as the eggs appear?
2. When does the first feature (eye) appear?
3. What does the yolk sac contain?
4. How long does the fish stay in the lake before it goes to the ocean?
5. What is one of the human industries that is a poisonous barrier for migration of fish?
6. How does the fresh water salmon adjust to the salt in ocean water?
7. What are some of the predators found in the ocean?
8. What is the disadvantage for a salmon as it grows bigger & can swim faster?
9. How long do the salmon stay in the ocean?
10. How does the salmon recognize their river of birth?

11. What is the most dangerous of all enemies?
12. Does every fish released from fishing by hook survive?
13. Why do researchers tag fish?
14. What is the problem with modern fishing fleets?
15. What are 3 ways of increasing fish population?
 - a.
 - b.
 - c.
16. What is the noisiest marine animal?
17. How do bears catch fish?
18. What does logging do to the river that affects the salmon?
19. What coloration changes occur as they leave the ocean and enter the fresh water?
20. What do killer dams do?
21. What is a fish counter?
22. What has man made to help fish get around killer dams?
23. What is the salute of the sockeye all about?
24. What are the two purposes of their jaws?
25. What is milt?
26. How do the dead bodies help the new fish?
27. Who are ichthyologist's?
28. What are some things you could do to help the fish population in your area?
29. Luke 5: 1 - 11 Jesus knew where there was lot of fish, or was able to command the fish to come near by. As a result of this how was Peter affected?