

Name:

## FINDING NEMO Study Guide

1. What is the **phylum** of sea anemones?
  2. What is the **class** of crabs?
  3. Tentacles of anemones are poisonous for any fish. How can the clownfish live among them?
  4. To what **phylum** does a clownfish belong?
  5. Do fish use *internal* or *external* fertilization?
  6. The following ingredients come from seaweed (which are **PROTISTS**): carrageenan, alginate, beta carotene. List two foods in your house with these ingredients.
  7. To what **class** does a barracuda belong?
  8. Is a barracuda a *predator* or *prey*?
  9. In the struggle between predator and prey is it always important for the individual prey to survive? Explain why!!!
- Did you know that male clownfish will change their sex to female if their mate is killed? It is a little different to know that *Marlin* would really become *Marla*!
10. **Why** do fish school?
  11. What is the classification of snails: **Kingdom, Phylum, and Class**?

12. What is the classification of hermit crabs: **Kingdom, Phylum, and Class**?
13. What is the classification of octopus: **Kingdom, Phylum, and Class**?
14. In a sea horse, which parent carries the eggs? *Male or female?*
15. **Why** do flounders bury themselves?
16. What **phylum** are sponges?
17. In which **class** does Mr. Ray belong?
18. List **3 characteristics** of flatworms.
19. Cyanobacteria are in the Domain Bacteria. Are they *prokaryotic* or *eukaryotic*?
20. **Why** do octopi ink?
21. **Why** does a scuba diver need an oxygen tank?
22. Marlin is shown breathing heavily. **How** do fish really get their oxygen?
23. Dory has a problem with short-term memory. Do fish have a brain?
24. Can fish really talk? If not how do they communicate?

25. What is the classification of sharks: **Kingdom, Phylum, and Class**?

Did you know that sharks replace their teeth as they fall out? They actually have multiple rows of teeth in their jaws. Ouch!

25. Dolphins are mammals and **not** bony fish (osteichtheyses). Would this be the same *phylum* or in the same *class*?

Did you know that the Japanese use shark fins in soup?

26. Novacaine is a narcotic that blocks pain messages across a synapse. What **body system** includes the nerves?

27. Sea stars are classified in which **phylum**?

28. Saltwater fish can't live in freshwater nor can freshwater fish live in salt water. Why is there a problem with their cells handling the change in water? (remember the eggsploring lab we did LONG ago?)

29. What is the classification of shrimp: **Kingdom, Phylum, and Class**?

30. Nigel is what kind of animal?

What **class** includes these?

31. **What** do fish use their fins for?

32. What are *characteristics or traits that help an organism to survive*?

33. **Why** do anglerfish use a light?

34. Cnidarians include jellyfish and corals. **Why** do they have stinging cells?

35. List **3 characteristics** of cnidarians.

Did you know that the **U** shaped structures in the jellyfish are their *gonads*- which are the sex cell producing organs.

35. Did you know that the nitrogen in fish pee is just like nitrogen in fertilizer! Explain **why** the tank will get yucky without a filter.

36. **What** are bubblers used for?

37. What is the classification of sea turtles: **Kingdom, Phylum, and Class**?

38. List **3 characteristics** of reptiles.

39. What *other* animals lay eggs?

40. What is **different** between reptile eggs and bird eggs?

41. What is the classification of whales: **Kingdom, Phylum, and Class**?

42. There are toothed whales and baleen whales. The baleen whales strain plankton from the water to eat. What **kingdom** includes plankton?

43. What **sense** works *with* your sense of taste?

44. **Can** you swallow without using your tongue?

45. What **structure** is the blowhole of a whale?

46. Is coral a plant or animal?

Name the **phylum**.