



Shape of Life

Name _____ Date _____ Period _____

Phylum Mollusca – Questions

Video Title: *Mollusks: The Survival Game Video* 15:08 minutes

1. How many mollusk types are there today?
2. Name three mollusks that look very different.
3. Describe the body plan of most mollusks.
4. How does the leafy hornmouth avoid being crushed by the crab?
5. What is another mollusk defense?
6. What is one biomechanical feat of the mollusk foot?
7. What does the abalone do when the sea star catches up to it?
8. How does the first cockle avoid the moon snail?
9. What strategy does the moon snail use on its second approach?
10. What made the round hole in the cockle's shell?
11. Describe a radula.
12. Why don't all radulas look alike?
13. What mollusk developed into a swimmer by floating off the bottom?
14. Briefly describe how a nautilus swims.
15. From what ancient mollusk body part did the nautilus' flexible exhaust pipe evolve?
16. What did the squid gain by not having a heavy, protective shell?



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17. Other than losing its shell, what three other things aid the squid's quick movements?
18. How have octopods successfully adapted to living on the ocean bottom?
19. What does the narrator claim to be the secret of the survival game?
20. Define in your own words the following vocabulary words:

Radula:

Mantle:

Buoyancy:

Camouflage:

Chromatophore:

Supplemental Questions

Name two or three different activities a mollusc can perform with its foot.

What do you call the skin-like tissue that produces the shells of mollusks?

What is your favorite animal in this episode? Why?

Make a list of mollusks you have encountered in your own experiences—in aquariums, at restaurants, in grocery stores or in your garden. For each one, answer the following questions:

Where did you see it?

What was it doing or what were you doing to it?

Where is its natural habitat?

What does it eat?

What eats it?