



7th Grade Scavenger Hunt

1. Luna, the albino alligator, is white because of a genetic trait called *albinism*. Animals, including humans, can exhibit this genetic trait. How does an animal come to be albino?



Albinism- a genetic disorder resulting in the complete absence of pigment in the skin and eyes

2. Luna's parents were **not** albino themselves-they both look like regular alligators! Is albinism a dominant or recessive genetic trait?



Ask for help from aquarium staff if you need it!

3. Using a Punnett square, find the probability that two heterozygous green alligators will have an albino offspring.

Probability of having an albino:

4. Place one of the listed animals seen in the Conservatory in each box to correctly show who eats what in the Cape Fear River area:



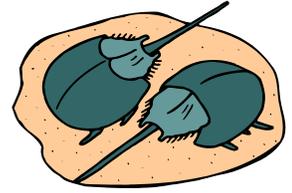
Frog
Alligator

Cottonmouth snake





5. The Touch Tank on the 2nd floor of the Marine Building represents a coquina outcrop. These salty environments are characterized by a lot of waves and sunlight. What is your favorite animal in the Touch Tank? Describe that animal and how its physical characteristics help it live in a coquina outcrop.



6. Visit the Hurricanes exhibit on the 2nd floor of the Marine Building. What kind of technology do NASA and NOAA scientists use to help predict the path a hurricane will take?
7. The fish in the Cape Fear Shoals exhibit in the Marine Building (the BIG tank) are all part of a complex food web. What are some adaptations you notice that would allow different species to survive and avoid predators?
8. Find the Megalodon jaws on the 1st floor of the Marine Building and look at the teeth. Megalodon was the largest shark to ever live, measuring sixty feet in length. What animal is their closest living relative? Megalodon's teeth were up to seven inches long. What did this shark eat?
9. Look closely at the animals in the Poison Dart Frog exhibit in the Exotic Aquatics gallery on the 1st floor of the Marine Building. Poison dart frogs are very showy and interesting-looking animals. These animals also have toxic venom. How do you think their flashy appearance helps them in the wild?
10. Name one thing you can do to help the ocean be a healthy environment for animals and plants and explain why it would help.
11. What is your favorite part of the aquarium and why?