



SCIENCE OLYMPIAD
— AT THE —
UNIVERSITY OF FLORIDA

Northern Regional: January 19th, 2019

Herpetology C Question Packet

Name(s): _____

Team Name: _____

School Name: _____

Team Number: _____

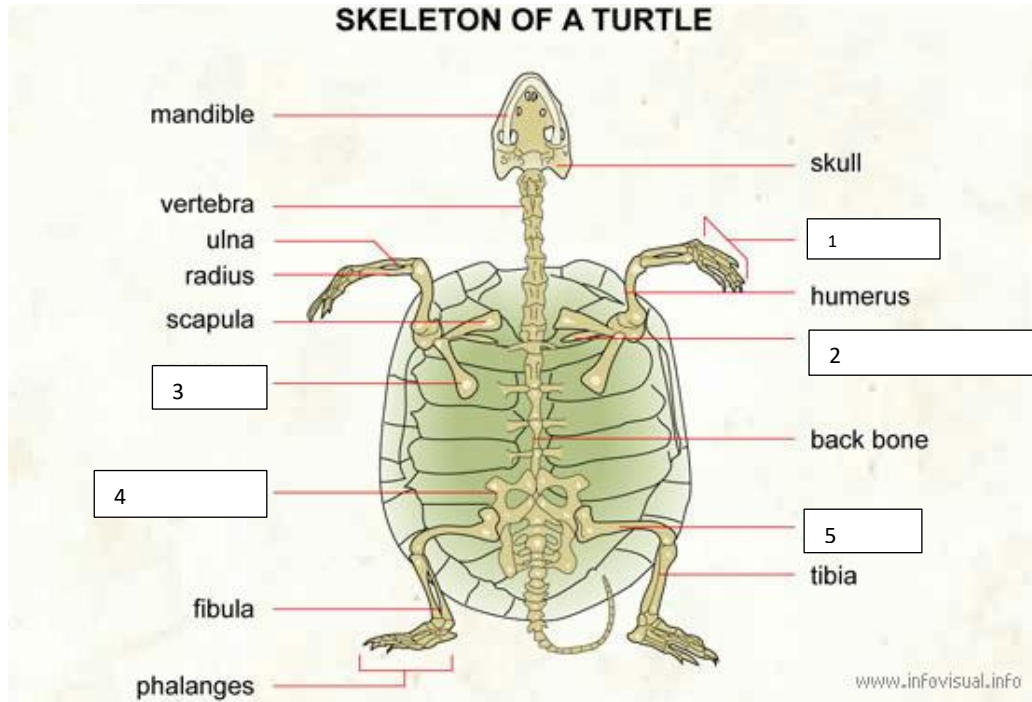
Rank: _____

Score: _____

Herpetology C Question Packet

You will have 15 minutes to answer 20 questions.

- 1) Name the two suborders of testudines and describe the difference between them. (4)



- 2) (5)

- 3) What is the term for a group of turtles? (1)

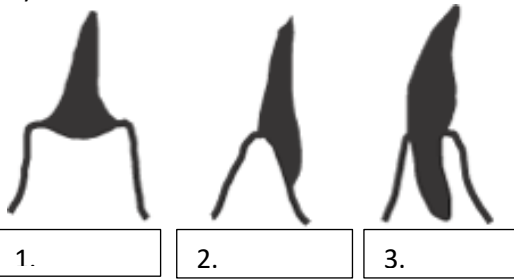
- 4) Describe the process of limb pumping in turtles. (2)

- 5) Describe Parthenogenesis and name one genus on your list that utilizes this form of reproduction. (3)

- 6) Name the only lizard on your list that is venomous. (1)

- a. Why type of venom does it possess? (1)
- b. How is the venom transferred to the prey? (1)
- c. Is it fatal to humans? (1)

7) Match the letter with the correct image (3)



- a. Acrodont
- b. Thecodont
- c. Pleurodont

8) Which type of teeth do Crocodylians possess? (1)

9) What are the two types of locomotion due crocodylians utilize on land? Describe both. (6)

10) Define sexual dimorphism. (1)

11) What is the K-Pg boundary and why is it significant? (2)

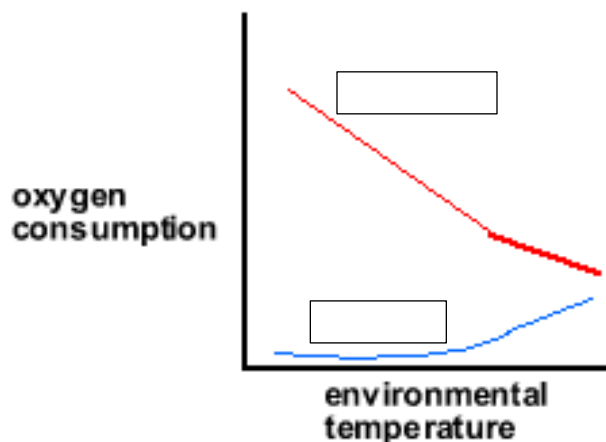
12) How do frogs produce the sounds of their calls? (2)

13) What is the difference between the eggs of frogs versus toads? (1)

14) Provide a description of the Cold Climate Hypothesis. (4)

15) What is the purpose of the Sonic Hedgehog gene and what order has a mutation in this gene? What does this mutation result in? (3)

16) Write ectotherm and endotherm in its correct box to show which line each represents. (2)



17) What is dystocia and what order is it commonly found in? (2)

18) What was the first known salamander fossil? (1)

19) Name the five types of snake locomotion. (5)

20) What is the purpose of the gelatinous covering of frog eggs and what air molecules does it allow the passage of (name at least two)? (3)