

Dino Nuggets

Eagle STEM Scrimmage

School: _____ Team: _____ Team #: _____

Student Names: _____

Station 1 (3 points each)

- a. _____
- b. _____
- c. _____

Station 2 (2 points each)

- a. _____
- b. _____

Station 3 (2 points each)

- 1.
- 2.
- 3.

Station 4 (2 points each)

- 1. A B C
- 2. _____

- 3. _____

Station 5 (6 points)

- 1. A B C D
- 2. A B C D

Short Answer: _____

Dino Nuggets

Eagle STEM Scrimmage

Station 6 (1 point each)

1. A B C
2. A B C
3. A B C
4. A B C
5. A B C
6. A B C

Station 7 (5 points)*

1. _____

2. _____

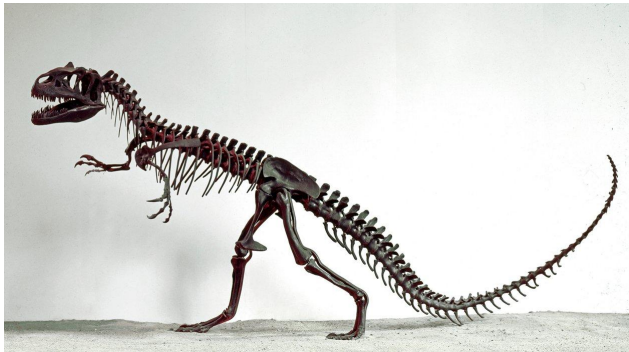
3. _____

4. _____

Dino Nuggets - Station 1

Identify each specimen using the most specific name possible.

a.



b.



c.



Dino Nuggets - Station 2

Answer the following in complete sentences

- a. Name **one condition** that increases the likelihood an organism will fossilize

- b. Explain why this condition helps fossilization

Dino Nuggets - Station 3

Match each fossil to its mode of preservation

1.



2.



3.



- A. Petrification
- B. Mineral Replacement
- C. Cast/Mold
- D. Imprint
- E. Encasement in amber/copal
- F. Mummification
- G. Freezing
- H. Entrapment in tar/asphalt

Dino Nuggets - Station 4

Use the following information to answer the questions

A fossil contains sharp teeth and a three-toed trackway.

1. Is this dinosaur likely a carnivore or herbivore?
 - a. Carnivore
 - b. Herbivore
 - c. Omnivore
2. What piece of evidence supports your answer to question 1?
3. Name one dinosaur from the list that fits this evidence

Dino Nuggets - Station 5

Answer the questions with the best possible answer

1. What is the largest unit of geologic time?
 - a. Period
 - b. Epoch
 - c. Era
 - d. Year

2. During which era did dinosaurs live?
 - a. Paleozoic
 - b. Mesozoic
 - c. Cenozoic
 - d. Precambrian

3. Did humans live at the same time as non-avian dinosaurs? How do you know?

Dino Nuggets - Station 6

Match each dinosaur to the period it lived in

1. Tyrannosaurus rex
2. Iguanodon
3. Coelophysis
4. Apatosaurus
5. Acrocanthosaurus
6. Diplodocus

- A. Triassic
- B. Jurassic
- C. Cretaceous

Dino Nuggets - Station 7

Use the information provided to best answer the question

A fossil coral is found in limestone

1. What is its environment?
2. What evidence supports this?

Dinosaur tracks are found preserved in sandstone

3. What is its environment?
4. What evidence supports this?

Dino Nuggets - Scoring Guide

Station 1 (3 points each)

- A. Allosaurus
- B. Corals
- C. Petrified Wood
 - 3 points = correct
 - 1 point = correct group (dinosaur, ect.)

Station 2

- A. Acceptable Answers:
Rapid burial, Hard body parts, Low oxygen, Sediment-rich environment (2 points)
- B. Any acceptable answer will be scored (3 points)

Station 3 (2 points each)

- 1. A
- 2. E
- 3. C

Station 4 (2 points each)

- 1. A
- 2. Sharp Teeth/Tracks
- 3. Any acceptable answer

Station 5

- 1. C
- 2. B
- 3. No

Station 6

- 1. C
- 2. C
- 3. A
- 4. B
- 5. C
- 6. B

Station 7

- 1. Marine
- 2. Coral lives in oceans/Limestone
- 3. Terrestrial
- 4. Dinosaur tracks form on land/Sandstone