

Screen shot from ANGEL, showing a weekly lesson and a folder for the JiTT lesson, termed “DinoBytes” in EARTH 150 (the dinosaur course)

EARTH 150H, Section 771: DINOSR EXTINCTN

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UNIT 3

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READ in your textbook: Chapters 3, 4, 13

- The International Rules: Priority and Synonyms**
PDF file
- What's in a Name?**
PDF file
- A fly called Iyaiyai - and other true stories of scientific name calling**
Science News, v. 159, n. 21, p. 330-332, May 26, 2001
- Dinosaur for Jurassic author**
BBC News (November 15, 2000)
- Oddly Angled Teeth Make Masiakasaurus Stick Out**
NGNews (January 29, 2001)
- DINOBYTE #3 - Classification and Cladistics**
be sure to complete before moving on to Unit 4

Screen shot showing the information in the weekly DinoByte folder. The folder may contain links to articles online and/or audio files to listen to. The last file in the folder is always the ANGEL quiz form for students to view the three questions and submit their responses.

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DINOBYTE #3 - Classification and Cladistics
be sure to complete before moving on to Unit 4
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- READ THIS FIRST!!!**
- Understanding Cladistics**
American Museum of Natural History
- Journey Into the World of Cladistics**
UCMP-Berkeley
- DinoByte #3**
remember to complete by 8:30AM Friday





An example of a weekly DinoByte exercise. Note that the questions are higher-order thinking questions on Bloom's Taxonomic Scale.

DinoByte #3

remember to complete by 8:30AM Friday

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- 1.  **Essay** (3 points) Delete
The overall average height of humans has increased in the past 1,000 years, based on measurements of skeletons from that time span as well as data taken from living people. Is this increase in height an example of directional selection (Cope's Rule)? Why
The overall average height of humans has increased in the past 1,000 years, based on measurements of skeletons from that time span as well as data taken from living people. Is this increase in height an example of directional selection (Cope's Rule)? Why or why not?
- 2.  **Essay** (3 points) Delete
Humans are classified under gradistics as follows: Phylum Chordata, Subphylum Vertebrata, Class mammalia, Order Primates, Family Hominidae, Genus Homo, species sapiens. What information would you need to convert this classification to a phylogenetic one?
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- 3.  **Essay** (3 points) Delete
Given the primitive dinosaur traits of bipedalism, think about the following: What are some environmental factors that might have favored quadrupedal postures? What evidence in the geologic record would be needed to corroborate your hypotheses?
Given the primitive dinosaur traits of bipedalism, think about the following: What are some environmental factors that might have favored quadrupedal postures? What evidence in the geologic record would be needed to corroborate your hypotheses?
- 4.  **Essay** (0 points) Delete
Below is a space for your thoughts, including general comments about today's assignment (what seemed impossible, what reading didn't make sense, what we should spend time on, what was "cool", etc.).
Below is a space for your thoughts, including general comments about today's assignment (what seemed impossible, what reading didn't make sense, what we should spend time on, what was "cool", etc.).