

Taxonomy Vocabulary Assessment 2014-2015

HEBISD

CJHS

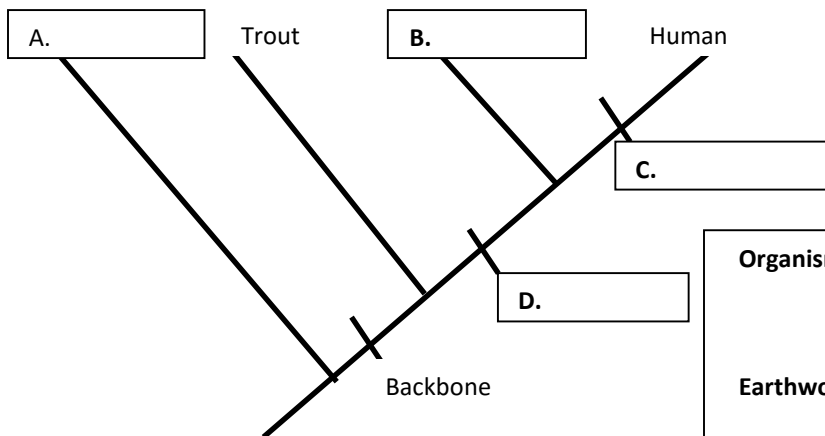
<i>taxonomy/taxons</i>	<i>class</i>	<i>genus</i>	<i>convergent evolution</i>	<i>order</i>
<i>domain</i>	<i>family</i>	<i>biological species</i>	<i>phylum</i>	<i>binomial nomenclature</i>
<i>cladogram</i>	<i>cladistics</i>	<i>phylogeny</i> <i>/phylogenetic tree</i>	<i>analogous character</i>	<i>kingdom</i>

1. _____ the science of describing, naming, and classifying organisms
(classification groups are referred to as taxons)
2. _____ a system for giving each organism a two-word scientific name that consists
of the genus name followed by the species name
3. _____ similar kingdoms are grouped into domains
4. _____ the highest taxonomic category, which contains a group of similar phyla
5. _____ the taxonomic group below kingdom and above class
6. _____ a taxonomic category containing orders with common characteristics
7. _____ the taxonomic category below the class and above the family
8. _____ the taxonomic category below the order and above the genus
9. _____ the level of classification that comes after family and that contains similar
species
10. _____ a group of organisms that can reproduce only among themselves and that
are usually contained in a geographic region
11. _____ the evolutionary history of a species or taxonomic group
12. _____ the process by which unrelated species become more similar as they adapt
to the same kind of environment
13. _____ similarities that arise through convergent evolution
14. _____ a way of grouping taxons bases on shared and derived characteristics
15. _____ a diagram that shows evolutionary relationships

16. List the taxonomic hierarchical terms in order from **most specific** to **most broad**

Below is a cladogram missing some of its parts. Use the derived characteristic chart to the right of the cladogram and filled in clues to write in the missing parts of the cladogram. Use this cladogram to answer questions **17-19**.

- 17.** What trait separates the LEAST closely related organism from the other animals?
- Hair
 - Legs
 - Backbone
 - None of the above
- 18.** From this cladogram, we can conclude that _____ shares the most recent common ancestor with humans.
- Lizard
 - Trout
 - Earthworm
 - None share with humans
- 19.** Based on the cladogram above, rank each species in order of distance from the LEAST closely related organism.
- Human, Lizard, Trout, Earthworm
 - Earthworm, Trout, Lizard, Human
 - Lizard, Trout, Earthworm, Human
 - Human, Earthworm, Trout, Lizard



Organism	Derived Character		
	Backbone	Legs	Hair
Earthworm	Absent	Absent	Absent
Trout	Present	Absent	Absent
Lizard	Present	Present	Absent
Human	Present	Present	Present