Name: _____ Date: _____ Period: _____

Homework: Taxonomy



1. What question does the merchant's ghost ask the visitors that come to his house?

_____

_____

Domain – Kingdom – Phylum – Class – Order – Family – Genus – Species

Less Related Organisms ← → *More Related Organisms*

Use the diagram above and your knowledge of taxonomy to answer the questions below.

2. Which of the following sets of animals would be the *most* closely related?
A Animals in the same order
B Animals in the same genus
C Animals in the same class
D Animals in the same family

3. Which of the following sets of insects would be the *most* closely related?
A Insects in the same class
B Insects in the same family
C Insects in the same order
D Insects in the same species

4. Which of the following taxonomic groups would contain plants with the greatest amount of variety and differences?
A Kingdom **B** Phylum **C** Order **D** Family

5. Which of the following groups of vertebrates would contain the *least* related animals?
A Vertebrates in the same genus
B Vertebrates in the same species
C Vertebrates in the same class
D Vertebrates in the same family

6. Which of the following taxonomic groups would contain the *most* related set of animals?
A Domain **B** Species **C** Family **D** Order

7. Which of the following sets of animals would contain the *least* closely related organisms?
A Animals in the same phylum
B Animals in the same genus
C Animals in the same class
D Animals in the same family

8. Which of the following groups of fungi would be the *most* closely related?
A Fungi in the same phylum
B Fungi in the same kingdom
C Fungi in the same order
D Fungi in the same class

9. Which of the following taxonomic groups would contain organisms with the greatest amount of genetic similarities?
A Domain **B** Kingdom **C** Phylum **D** Class

10. Taxonomy is best defined as the science of –
A describing the regulation of genes
B studying microscopic life forms
C developing new species via genetic engineering
D classifying organisms based on characteristics

LIVEWORKSHEETS

11. The American lobster (*Homarus americanus*) is most closely related to which of the following organisms?

A Cape lobster (*Homarinus capensis*)
B Common lobster (*Homarus gammarus*)
C Patagonian lobsterette (*Thymops birsteini*)
D Scarlett clawed lobster (*Nephropsis atlantica*)

12. Black panthers (*Panthera onca*) are a color variant of a species of large cats. Black panthers would be most closely related to what organism listed below?

A Tiger (*Panthera tigris*)
B Cheetah (*Acinonyx jubatus*)
C Puma (*Puma concolor*)
D Jaguar (*Panthera onca*)

13. The desert locust (*Schistocerca gregaria*) is a species of insect that has been known to destroy the crops of farmers in Africa, Asia and the Middle East. Which insect below is most related to the desert locust?

A Brown locust (*Locustana pardalina*)
B Desert orangetip (*Anthocharis cethura*)
C American grasshopper (*Schistocerca americana*)
D Red locust (*Nomadracis septemfasciata*)

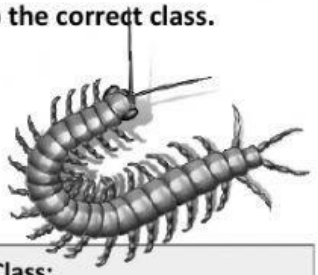
Class	Reptilia	Reptilia	Reptilia	Reptilia
Order	Squamata	Testudines	Squamata	Squamata
Family	Iguanidae	Emydidae	Iguanidae	Polychrotidae
Genus	Dipsosaurus	Terrapene	Sauromalus	Polychrus
Species	*D. dorsalis*	*T. carolina*	*S. ater*	*P. achutirostris*
Common Name	Desert iguana	Box turtle	Chuckwalla	Bush anole

14. Which of the following pairs of organisms from the table shown above would be the most closely related?

A Desert iguana and Box turtle
B Chuckwalla and Bush anole
C Box turtle and Bush anole
D Desert iguana and Chuchwalla

Use the dichotomous key to classify each of the ARTHROPODS shown into the correct class.

1a – Lives on land ..... Go to 2
1b – Lives in water ..... Class Crustacea
2a – Six legs ..... Class Insecta
2b – Eight legs ..... Class Arachnida
2c – More than eight legs ..... Go to 3
3a – One pair of legs per body segment ..... Class Chilopoda
3b – Two pairs of legs per body segment ..... Class Diplopoda



Class: _____



Class: _____



Class: _____



Class: _____

LIVEWORKSHEETS