

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

A Cape lobster (*Homarinus capensis*) **C** Patagonian lobsterette (*Thymops birsteini*)
B Common lobster (*Homarus gammarus*) **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*) **C** Puma (*Puma concolor*)
B Cheetah (*Acinonyx jubatus*) **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*) **C** American grasshopper (*Schistocerca americana*)
B Desert orangetip (*Anthocharis cethura*) **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	<i>D. dorsalis</i>	<i>T. carolina</i>	<i>S. ater</i>	<i>P. achutirostris</i>
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?

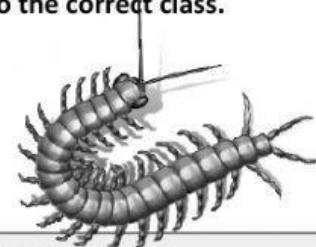
A Desert iguana and Box turtle **C** Box turtle and Bush anole
B Chuckwalla and Bush anole **D** Desert iguana and Chuckwalla

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

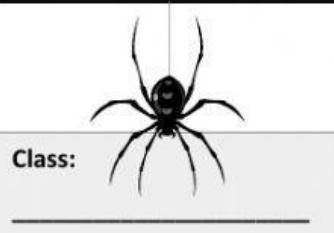
1a – Lives on land Go to 2
1b – Lives in water Class Crustacea

2a – Six legs Class Insecta
2b – Eight legs Class Arachnida
2c – More than eight legs Go to 3

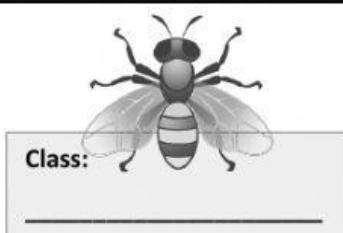
3a – One pair of legs per body segment Class Chilopoda
3b – Two pairs of legs per body segment Class Diplopoda



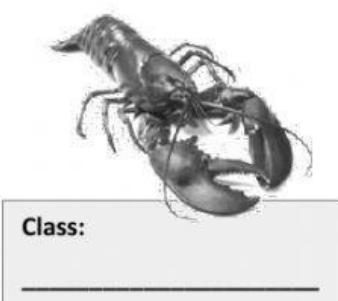
Class: _____



Class: _____



Class: _____



Class: _____