

SCA Science 6 – Study Guide

Chapter 5

Name: _____

I. Short Answer: Write the correct term in the blank

_____ 1. The type of symmetry having two identical sides when divided down the middle

_____ 2. A tiny stinging organelle found on some animals

_____ 3. The type of symmetry having body parts that repeat around a central part

_____ 4. An animal that eats organisms that float through water

_____ 5. The ability to exist independent of another organism

_____ 6. Lives on or in another organism (host) and depends on the host for food

II. Multiple Choice: Write the letter of the correct answer in the blank.

_____ 1. have soft bodies and mantles; mantle sometimes form a shell

A. annelids

B. echinoderms

C. mollusks

_____ 2. segmented worms; may have setae

A. annelids

B. echinoderms

C. mollusks

_____ 3. radial symmetry; tube feet; live in water

A. annelids

B. echinoderms

C. mollusks

_____ 4. 5 pairs of legs, has 2 pair of antennae, breathes through gills, and most have a claw

A. arachnid

B. crustacean

C. insect

_____ 5. 2 body segments and 8 legs

A. arachnid

B. crustacean

C. insect

_____ 6. 3 body segments, 3 pairs of legs, and most have wings

A. arachnid

B. crustacean

C. insect

_____ 7. warm-blooded animal with feathers

A. bird

B. mammal

C. reptile

_____ 8. warm-blooded animals with hair; feed its young with milk

A. bird

B. mammal

C. reptile

_____ 9. cold-blooded animals with scaly skin; lays eggs on land

A. amphibian

B. fish

C. reptile

_____ 10. Cold-blooded animal with smooth skin; spends part of its life in water and part on land

A. amphibian

B. fish

C. reptile

_____ 11. Cold-blooded animal that breathes through gills; skeleton is made of cartilage or bone

A. amphibian

B. fish

C. reptile

- _____ 12. All arthropods have _____.
- A. jointed legs, a segmented body, and an exoskeleton
 - B. 3 pairs of legs, 3 body parts, and wings
- _____ 13. Arthropods molt because _____.
- A. they are active at night
 - B. they outgrow their exoskeleton and grow a new one
- _____ 14. Arthropods with many body segments and many pairs of legs may be either _____.
- A. centipedes or millipedes
 - B. arachnids or crustaceans
- _____ 15. Spiders and ticks are examples of _____.
- A. insects
 - B. arachnids
- _____ 16. _____ are examples of crustaceans.
- A. Mites and scorpions
 - B. Crabs and shrimp
- _____ 17. The stages of _____ metamorphosis are egg, nymph, and adult.
- A. incomplete
 - B. complete
- _____ 18. The stages of _____ metamorphosis are adult, egg, larva, and pupa.
- A. incomplete
 - B. complete

III. Drawing and labeling:

Draw and label the steps of a butterfly's metamorphosis on the back of this page..