

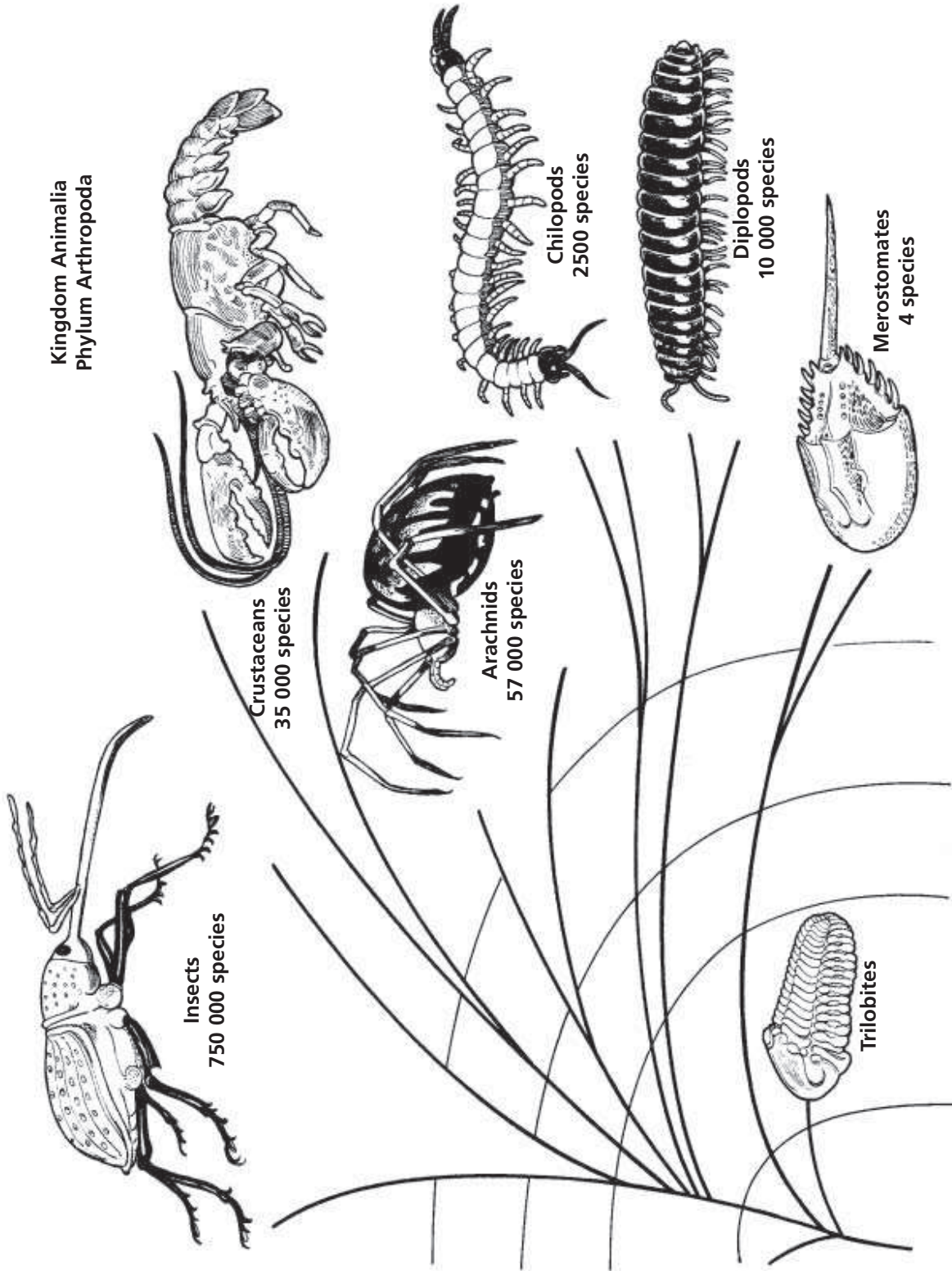
Master
49

Phylogeny of Arthropods

Basic Concepts

Use with Chapter 28, Section 28.2

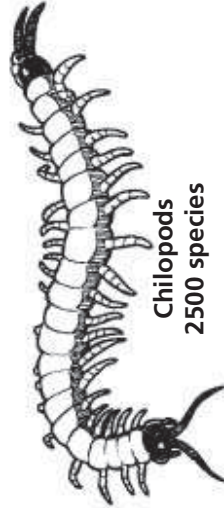
Kingdom Animalia
Phylum Arthropoda



Crustaceans
35 000 species



Arachnids
57 000 species



Chilopods
2 500 species



Diplopods
10 000 species



Merostomates
4 species



Insects
750 000 species



Trilobites

Worksheet

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Phylogeny of Arthropods

Basic Concepts

Use with Chapter 28, Section 28.2

1. Which group of arthropods are now extinct?

2. What crustacean is represented in the transparency? Provide three other examples of crustaceans.

3. Why are horseshoe crabs regarded as “living fossils”?

4. What is the common name for the chilopods? The diplopods?

5. What is the simplest way to distinguish a chilopod from a diplopod?

6. What is the most varied class of arthropods? What feature distinguishes this class from other arthropods?

7. Describe some of the adaptations of different kinds of arachnids.
