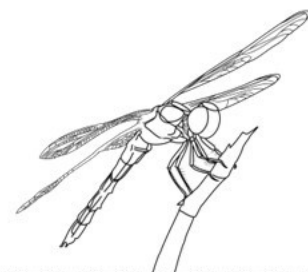
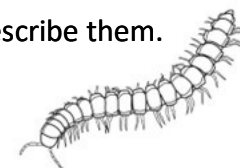
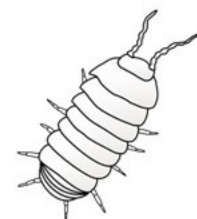


Name: \_\_\_\_\_



# SHAPE OF LIFE: TERRESTRIAL ARTHROPODS

1. While you watch the video, record 5 land arthropods that are featured throughout the video.
2. What skill do some land arthropods have that has allowed them to spread across the Earth?
3. What are some tools that arthropods developed in order to leave the sea and survive on land?
4. Which arthropod that lives on Earth today did the first land arthropods resemble?
5. What is an advantage to living on land for arthropods?
6. Aquatic arthropods typically breathe through gills. When arthropods came on land, the gills moved internally and adapted into a new respiratory structure. What is this new respiratory structure that is featured in a scorpion called?
7. Millipedes do not have book lungs. What respiratory structures did they develop? Describe them.
8. Plants are more difficult to digest than algae. What source of food did arthropods seek out instead?
9. Which arthropod featured in the video adapted to be a predator and to seek out prey?
10. Which freshwater arthropod hunts beneath the surface of water? What is its prey?
11. The dragonfly larva will not remain in that body form forever. What process does it go through to dramatically change into an adult that can live on land?
12. Describe how the wings of the dragonfly move as it soars through the sky.



13. Describe dragonfly mating.

14. What fraction of animal species are flying insects? \_\_\_\_\_

15. What adaptation do spiders have to capture prey?



16. What are two ways that arthropods benefit us?

17. True or False: Without insects, some human foods would disappear. \_\_\_\_\_

18. What three habitats have arthropods conquered?

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### Myth or Fact Challenge Phylum Arthropoda

ARTRPODA MYTH OR FACT #1  
• A tick is an insect.

ARTRPODA MYTH OR FACT #2  
• The animal that kills more humans than any other animal is an arthropod.

ARTRPODA MYTH OR FACT #3  
• Insects see thousands of identical images with their compound eyes.

ARTRPODA MYTH OR FACT #4  
• 98% of spiders are venomous.

ARTRPODA MYTH OR FACT #5  
• Arthropods have an exoskeleton that grows with them as they get larger.

ARTRPODA MYTH OR FACT #6  
• The female bee cannot sting.

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