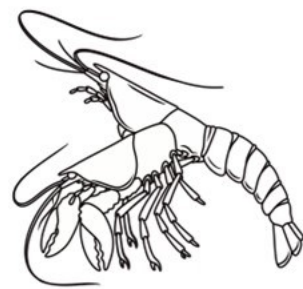# SHAPE OF LIFE: MARINE ARTHROPODS

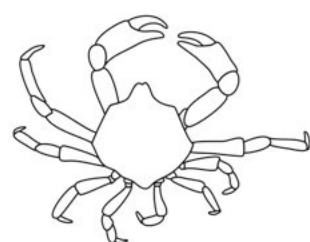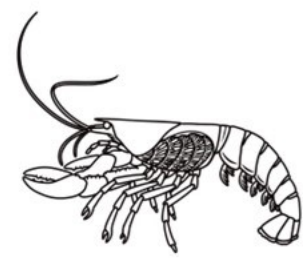**Shape of Life**

1. In addition to ruling the ancient seas, arthropods were the first creatures to move onto _____.

2. What is the secret to an arthropod's success? What is one advantage of having this adaptation?

3. What structures do arthropods have to sense their environment?

4. True or false: there are more arthropods in the world's oceans than any other group of animals.

5. What type of skeleton do arthropods have? Describe it.

6. When must an arthropod leave its exoskeleton behind?

7. Does the new exoskeleton develop on the outside or on the inside of the old exoskeleton?

8. Which parts of the crab molt?

9. How long does it take the new exoskeleton to harden? _____

10. What structure do arthropods have to breathe? _____

11. What is an extreme environment that an arthropod can survive?

12. Why do horseshoe crabs come on land?

13. What adaptations do arthropods who left the sea have?

14. What are three examples of arthropods that you saw throughout the video?

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