

Marine Arthropod Trivia

1. Put an "X" or checkmark in front of all the marine animals below that are classified as arthropods.

Corals
 Crabs,
 Octopuses
 Oyster
 Shrimp
 Starfish

2. Marine Arthropods are:

Carnivores
 Herbivores
 Omnivores
 All of these

3. Mark all the things below that marine arthropods eat.

Algae
 Fish
 Zooplankton
 Plants
 Bacteria

4. All arthropods have straight **appendages** (like legs and antennae).

True
 False

5. All arthropods have an **exoskeleton** that provides support and protects their soft internal organs.

True
 False

6. Some juvenile marine arthropods don't look like the adults

True
 False

7. Molting is the process in which an arthropod sheds its exoskeleton to make room for a new, larger one.

True
 False

Arthropod Glossary

appendage	parts attached to the main body like claws and antennae
antenna	one of two long sensory organs at front of arthropods such as insects and crustaceans (antennae : two or more)
arachnid	arthropod in class Arachnida ; predatory or parasitic animals that have 8 legs, such as spiders, scorpions, and ticks
arthropod	animal in phylum Arthropoda that includes animals with exoskeletons and jointed appendages; includes over 85% of known animal species
biomimicry	design and creation of products, materials, and/or systems inspired by biological organisms
chitin	a substance that provides a tough, protective covering; similar to keratin, the substance that human hair and nails are made from
crustacean	an arthropod in subphylum Crustacea that includes lobsters, crayfish, crabs, and shrimp
gills	internal feathery organs in marine/aquatic arthropods (as well as fish) used to extract oxygen from the water
exoskeleton	hard external covering of various animals, including arthropods, that provides attachment for muscles and protects the animal from drying out and injury
evolution	process by which organisms change over time through natural selection
insect	arthropod in class Insecta ; insects comprise 75% of known animal species
hydrothermal vent	hot springs on ocean floor—especially along the mid-ocean ridges—that supply nutrients to ecosystems that are very different from those found elsewhere on Earth Different species of crabs and lobsters have been found living in hydrothermal vent communities.
krill	small marine crustacean that resembles shrimp; important part of some whale, seal, and fish species' diets
larva	free-living, immature stage in the life cycle of many animals (such as arthropods); often very different in appearance from adult stage and usually incapable of reproduction
marine	found in or related to the sea
molting	in arthropods, the periodic process by which the exoskeleton is discarded and replaced by a new, larger one that allows the animal to grow
myriadpod	arthropod in subphylum Myriadpoda that includes centipedes and millipedes
natural selection	process in which organisms better adapted to their environment survive to produce more offspring
segmented	the body is made up of a basic body compartment and the body gets bigger by adding more compartments. Like a classic train with its engine and caboose, segmented animals have repeating segments between specialized front and back compartments
terrestrial	found on or related to land
trilobite	arthropod from extinct group found in fossil record from about 521 million years ago until about 252 million years ago; diverse species were scavengers, predators, and filter feeders

Presentation Rubric

Title: _____

Presentation Component	Maximum Points Possible	Self-Score (fill out before presentation)	Teacher Score
Part 1: Content			
Subject and purpose of presentation clearly introduced	10		
Key concepts identified and clearly explained in well-organized way	10		
Ideas supported by examples, data, graphs, etc.; All information accurate and obtained from reliable sources	10		
Conclusion summarizes key points in persuasive way; Questions answered thoroughly and accurately	10		
Part 2: Delivery / Audience Engagement			
Speech delivered clearly at appropriate volume and speed (not too fast, slow, loud, or soft)	10		
Speed, volume, and voice inflection are varied to engage audience and emphasize key points	10		
Speaker connects with audience through eye contact and does not spend too much time looking at notes or screen	10		
Speaker demonstrates enthusiasm for topic throughout presentation; audience is persuaded by speaker	10		
Part 3: Visuals			
Visuals help to clearly explain concepts	10		
Part 4: Writing Conventions			
Grammatical and spelling conventions followed	10		
TOTALS:	100		

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