



# October Homeschool Day



## Inside

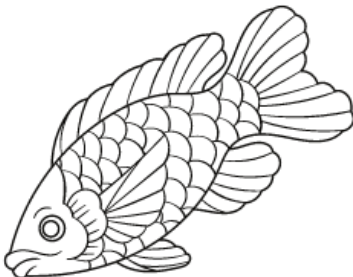
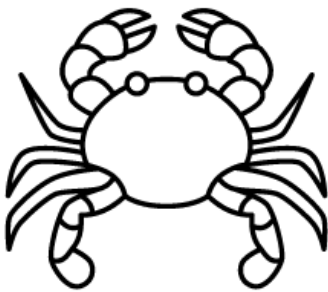
- Life as an Invertebrate (Pages 1 & 2)
  - Education Station (Ambassador Park)
- Did You Know? (Pages 3 & 4)
  - Self-guided worksheets about invertebrates
- Picky Eater Activity (Pages 5 & 6)
  - Education Station (Whitney Park)
- Animal Observation (Pages 7 & 8)
  - Any Animal habitat

Our Animal ambassadors, Pingo and Romeo are going to help you learn all about ocean animals that do not have a backbone

# What is an Invertebrate

A vertebrate is an animal that has a backbone (e.g human). An invertebrate is an animal that does NOT have a backbone (e.g sea star).

Can you write which group each animal belongs to?



# Spineless Yes... Helpless No! Activity

What is an Invertebrate?

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What percent of animals are considered to be invertebrates?

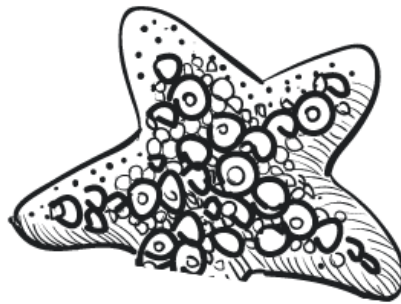
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If you did not have...	How would you adapt?
Eyes	
Hands	
Legs	

# DID YOU KNOW?

Sea Stars can regrow any lost arms! They can also regrow their entire body back from a single arm as long as a portion of their central disc is still attached.

Help these sea stars regrow their missing arms!



# DID YOU KNOW?

When hermit crabs get too big for their homes, they have to find new, larger shells to become their home.

Can you draw the hermit crab inside his new home?



# Picky Eater Activity:

Circle the tool you wish to collect for the activity:



Try to see which food is the easiest to eat with your chosen tool!

Activity Number	What is in each Bowl	Difficulty Level
Bowl 1		
Bowl 2		
Bowl 3		
Bowl 4		
Bowl 5		
Bowl 6		

Which animal do you think uses a similar method to eat? Circle the animal you think it is...



After completing the activity what do you think your invertebrate eats?

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# Animal Observations

Choose one animal at Marineland on which to do a physical and behavioral observation. You may pick any animal you'd like, but you must stick with that individual, so be sure you've identified a distinguishing characteristic about it that will help you keep it in view, even if it lives with a group of other animals that look just like it.

Animal: \_\_\_\_\_

Draw your animal here:

List 5 physical characteristics/adaptations (body shape, coloration, number of limbs, etc):

What do these adaptations help the animal do? (Avoid predators, catch prey, camouflage, etc)



Observe your animal's behavior for three minutes. Fill out the following behavioral observation chart. Put a tally mark next to the behavior every time you see it. If you see any behaviors other than the ones listed, please add them in the blank spaces provided:

Animal: \_\_\_\_\_

Behaviors Seen	Minute 1	Minute 2	Minute 3	Total Tallies
Eating				
Chasing				
Hiding				
Playing				
Breathing				
Sleeping				

What behavior did you see your animal do the most?

What kind of conclusions can you make from your observations? (Keep in mind that your three-minute observation does not represent a full day of the animal's life.)