#### **FOCUS QUESTIONS**

How do fossils help to explain changes in Earth's surface over time?

What can models and fossils tell us about Earth's early organisms and environments?

 After reading and thinking about the two Focus Questions above, write your explanation in your own words below. Use evidence from the puzzle, observations and discussion in class and information from the books to help you explain your thinking.

2. You can use the bottom of this page and the back of this

notebook to write your responses. You may add drawings with labels if you would like.

Name

### WHAT MIGHT THESE SPECIMENS AND FOSSILS TELL US ABOUT THE PAST?

## DISCOVERY NOTEBOOK





#### **STATION 9: Collecting Data Like a Paleontologist**

1. Species name	
2. Locality where found Geological information Age information	
3. Length of specimen (cm or mm)	#1 #2
4. Width of specimen (cm or mm)	#1 #2
5. How far apart are eyes (cm or mm)?	#1 #2
6. How many segments/parts make up each specimen?	#1 #2
7. Are all paired values the same? _ Does this surprise you? Why or Why not?	

STATION 8: Structure and Function		STATION 1: Similarities and Differences	
	Predator or prey?		
	Predator or prey?		
Describe your evidence:			

#### **STATION 2: Observations and Inferences**

Tyrannosaurus rex tooth	Deinonychus "killer toe"	<ol> <li>Locate the Article Titled:         Reading a Skull: Predator and Prey Differences     </li> <li>You can take notes on this page and draw pictures.</li> <li>When you go to stations 5 and 6, this will help you with your claim. If you have already visited stations 5 and 6, go back to those notebook pages and add or revise your claim if you need to.</li> </ol>
		Your Notes:

**STATION 7:** Reading and Thinking Station

# **STATION 6: Structure and Function** \_\_\_\_\_ (write specimen name) Prediction about the advantage of eye placement.

#### **STATION 3: Inferences Based on Evidence**

Acrocanthosaurus foot vs. Stenopterygerius arm

Observations:		
Inferences:		

#### **STATION 4: Inferences Based on Evidence**

Specimen Name	#1:	
Specimen Name #2:		
What did you not	ice in the cla	y?
		nfer whether each bivore. Circle your
Specimen #1:	carnivore	herbivore
Specimen #2:	carnivore	herbivore
Share your thoug	hts about you	ur reasoning.

#### **STATION 5: Predictions**

	(write specimen name)
Prediction about the advantage	of eye placement.