STUDENT WORKSHEET - GRADES 3-5

Answer	Key
--------	-----

Name _

Welcome to the American Museum of Natural History!

Today you will learn about Tyrannosaurus rex (T. rex) and the group of animals it belongs to, called tyrannosaurs. These animals all went extinct long before humans were around. But by studying the fossils they left behind, we know more about them now than ever before!

Note to Educator: Some of the prompts on this worksheet require students to talk to a partner. Location names refer to the map in the Educator's Guide.

Answers will vary but may inclu	de:
• It is very small, covered in feather	s, and has big eyes.
• The adult looks much bigger!	
2. Choose one of the early relatives of <i>T. rex</i> . Sketch and label some of its interesting features, both from the model and from its accompanying skull fossil.	Early tyrannosaur models are found at location 2b. Choices include: • Protoceratosaurus bradleyi • Dilong paradoxus • Xionglong baimuensis
What does the fossil tell us al	pout this tyrannosaur?
Answers will vary.	

similar to and different from T. rex? Location 2c.

STUDENT WORKSHEET - GRADES 3-5 Name

			<u>ا ل</u>
me			



swers will vary but may include: When T. rex is younger, it is lighter and has long legs so it could run fast to escape redators; when it is older it doesn't need to run as fast. Ounger T. rex has sharp teeth to slice meat, but they aren't strong enough to rush bones like an adult's. Tex has lots of feathers, probably for warmth and camouflage, when it is young; when it is older it has fewer feathers. Look at the model of the adult T. rex and read the panels around it. Talk to a partner about what you notice about this T. rex, and how it compares to the hatchling and the four-year-old T. rex. Take notes about what you both observed:		r-year-old <i>T. rex</i> and read the panels in front of it. Talk to a partne this <i>T. rex</i> and how it compares to the hatchling at the beginning
When <i>T. rex</i> is younger, it is lighter and has long legs so it could run fast to escape redators; when it is older it doesn't need to run as fast. Ounger <i>T. rex</i> has sharp teeth to slice meat, but they aren't strong enough to rush bones like an adult's. The rex has lots of feathers, probably for warmth and camouflage, when it is young; when it is older it has fewer feathers. Look at the model of the adult <i>T. rex</i> and read the panels around it. Talk to a partner about what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old of the rex. Take notes about what you both observed: Swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. The signant teeth and jaws, and its arms are too tiny to do anything. The signant teeth and jaws, and its arms are too tiny to do anything. The signant teeth and jaws, and its arms are too tiny to do anything. The signant teeth and jaws, and its arms are too tiny to do anything. The signant teeth and jaws for catching and crushing the bones of its prey. The shabig eyes that face forward for excellent vision and depth perception.	-	,
cook at the model of the adult <i>T. rex</i> and read the panels around it. Talk to a partner about what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas big ant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.	nswers will vary but may include:	
Look at the model of the adult <i>T. rex</i> and read the panels around it. Talk to a partner about what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: Swers will vary but may include: that giant teeth and jaws, and its arms are too tiny to do anything. The species of its prey. Its species is giant teeth and jaws, and its arms are too tiny to do anything. It is giant teeth and jaws, and its arms are too tiny to do anything. It is giant teeth and jaws, and its arms are too tiny to do anything. It is giant teeth and jaws, and its arms are too tiny to do anything. It is giant teeth and jaws, and its arms are too tiny to do anything. It is giant teeth and jaws, and its arms are too tiny to do anything the bones of its prey. It is as big eyes that face forward for excellent vision and depth perception.		
Look at the model of the adult <i>T. rex</i> and read the panels around it. Talk to a partner about what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: Swers will vary but may include: that you have the hatchling and its arms are too tiny to do anything. The signant teeth and jaws, and its arms are too tiny to do anything. The signant teeth and jaws for catching and crushing the bones of its prey. The signant teeth and jaws for catching and crushing the bones of its prey. The signant teeth and jaws for catching and crushing the bones of its prey.		
Look at the model of the adult <i>T. rex</i> and read the panels around it. Talk to a partner about what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: Swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. Thuses its giant teeth and jaws for catching and crushing the bones of its prey. This big eyes that face forward for excellent vision and depth perception.	crush bones like an adult's.	theat, but they aren't strong enough to
Look at the model of the adult <i>T. rex</i> and read the panels around it. Talk to a partner about what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: Swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. Thuses its giant teeth and jaws for catching and crushing the bones of its prey. This big eyes that face forward for excellent vision and depth perception.		
what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.	when it is older it has fewer feathers.	·
what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.		
what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.		
what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.		
what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.		
what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.		
what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.		
what you notice about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old <i>T. rex</i> . Take notes about what you both observed: swers will vary but may include: dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.		
dult <i>T. rex</i> is much bigger than the others. thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.	-	· · · · · · · · · · · · · · · · · · ·
thas giant teeth and jaws, and its arms are too tiny to do anything. tuses its giant teeth and jaws for catching and crushing the bones of its prey. thas big eyes that face forward for excellent vision and depth perception.	Answers will vary but may include:	:
uses its giant teeth and jaws for catching and crushing the bones of its prey. Thas big eyes that face forward for excellent vision and depth perception.		
t has big eyes that face forward for excellent vision and depth perception.		

Answer	Key
--------	-----

STUDENT WORKSHEET - GRADES 3-5 Name

a. <i>T. rex</i> vertebra 4b. a. <i>Protoceratosaurus bradleyi</i> skull 4b.	T. rex tooth
	Alioramus altai jaw
Duong purudoxus skun	T. rex partial jaw Tarbosaurus bataar tooth
Xiongguanlon baiorensis skull 4e.	Alioramus altai skull
	Coprolite Bite marks in vertebra fossil
O CONTRACTOR OF THE CONTRACTOR	T. rex skull (adolescent)
	Daspletosaurus torosus skull
	<i>Guanlong wucaii</i> skull <i>T. rex</i> partial skull
. <i>T. rex</i> skeleton 5e.	T. rex skin impressions
. Tyrannosaur claw	
at does this fossil tell us about the tyrannosaur it ca	ıme from?
	ime from?
at does this fossil tell us about the tyrannosaur it ca	nme from?
	ime from?
	nme from?
	ime from?
	ame from?
	ime from?



at does this fossil tell us about the tyrannosaur it came from?	
wers will vary.	

Name _

35€ American Museum 5 Natural History © 2019

happened.

These stations can be found at

locations 2d, 3b, 4d, and 5c.

STUDENT WORKSHEET - GRADES 3-5

Name	

Welcome to the American Museum of Natural History!

Today you will learn about *Tyrannosaurus rex* (*T. rex*) and the group of animals it belongs to, called tyrannosaurs. These animals all went extinct long before humans were around. But by studying the fossils they left behind, we know more about them now than ever before!

	year-old <i>T. rex</i> . Talk to a partner about what you notice about this v of the adult it could become. Does anything surprise you? oth observed.
2. Choose one of the early relatives of <i>T. rex</i> . Sketch and label some of its interesting features, both from the model and from its accompanying skull fossil.	
What does the fossil tell us abo	ut this tyrannosaur?
Talk to a partner about what you differences you notice between	u each sketched. Have a conversation about similarities and the different animals.
Continue the conversation with similar to and different from <i>T. r</i>	your partner at the <i>T. rex</i> traits wall. How are these animals ex?

STUDENT WORKSHEET - GRADES 3-5

Name	

of the exhibition	Take notes about what you both observed:
	el of the adult <i>T. rex</i> and read the panels around it. Talk to a partner about
what you notice	el of the adult <i>T. rex</i> and read the panels around it. Talk to a partner about about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old about what you both observed:
what you notice	about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old
what you notice	about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old
what you notice	about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old
what you notice	about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old
what you notice	about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old
what you notice	about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old
what you notice	about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old
what you notice	about this <i>T. rex</i> , and how it compares to the hatchling and the four-year-old

STUDENT WORKSHEET - GRADES 3-5

Name	

5. Choose two fossils from anywhere in the exhibition. Sketch and label them.	
FOSSIL NAME 1:	
What does this fossil tell us about the tyrannosaur it came from?	

STUDENT WORKSHEET - GRADES 3-5

Name		
maille		

FOSSIL NAME 2:					
What does this fossil tell us about the tyrannosaur it came from?					
6. Visit the survival challenge stations with a partner. Take turns trying them out. Talk about the decisions you made and what happened.					