

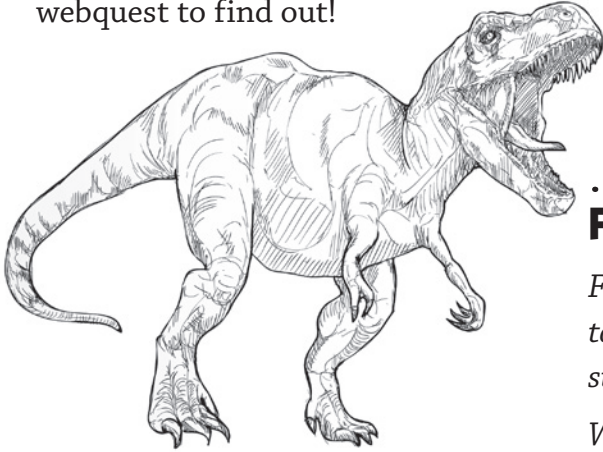
# World Book® Online:

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

## Dinosaur

Dinosaurs were giant creatures that ruled Earth for millions of years. They were some of the most amazing creatures to ever walk on the planet! How much do you know about dinosaurs? Set off on a webquest to find out!



First, go to **www.worldbookonline.com**  
Then, click on “Advanced.” If prompted, log on  
with your ID and Password.

### Find It!

*Find the answers to the questions below by using the “Search” tool to search key words. Since this activity is about dinosaurs, you can start by searching the key word “Dinosaur.”*

*Write the answers on the lines provided or below the question.*

1. The name *dinosaur* comes from the term *Dinosauria*, which means \_\_\_\_\_.
2. Scientists believe that the first dinosaurs appeared on Earth about \_\_\_\_\_ million years ago.
3. Scientists learn about dinosaurs by studying \_\_\_\_\_.
4. Many scientists classify \_\_\_\_\_ as living dinosaurs.
5. Scientists divide true dinosaurs into two major groups: (1) \_\_\_\_\_  
and (2) \_\_\_\_\_.
6. Ornithischians had a \_\_\_\_\_ hip structure and Saurischians had a hip  
formation much like that of \_\_\_\_\_.



\*Users of the **Advanced** database can find extension activities at the end of this webquest.

7. What are the two major theories that scientists have developed to explain dinosaur extinction?

a. \_\_\_\_\_

b. \_\_\_\_\_

8. Ankylosaurs were the most \_\_\_\_\_ of all dinosaurs.

9. Scientists discover and describe an average of \_\_\_\_\_ new kinds of dinosaurs every year.

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### True or False

*Write "True" if the statement about dinosaurs is correct. If the statement is not correct, write "False" and correct the statement in the space below.*

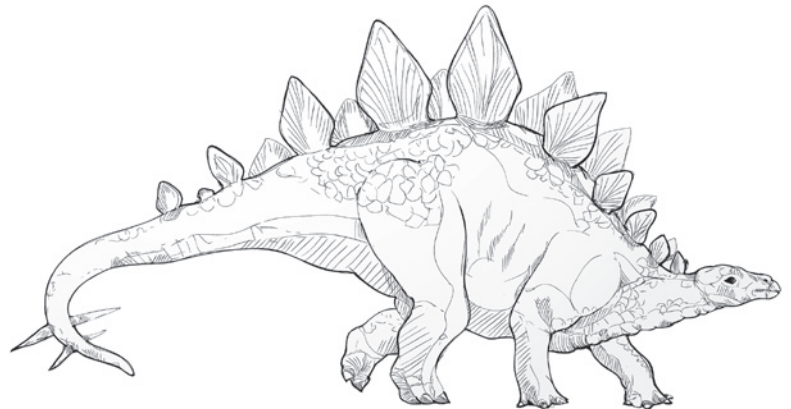
\_\_\_\_\_ 10. All dinosaurs were larger than elephants.

\_\_\_\_\_ 11. Before the 1800's, no one knew that dinosaurs had ever existed.

\_\_\_\_\_ 12. The largest dinosaurs may have weighed as much as 85 tons (77 metric tons).

\_\_\_\_\_ 13. Fossil evidence suggests that all dinosaurs were clumsy, slow-moving, unintelligent creatures.

\_\_\_\_\_ 14. Most dinosaurs were meat-eaters.



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## Find It!

15. What are three ways in which dinosaurs differed from present-day reptiles?

16. Why is the Mesozoic Era sometimes called the *Age of Reptiles* or *Age of Dinosaurs*?

17. What is the importance of the prehistoric reptile *Lagosuchus*?

18. Some kinds of ankylosaurs had a large mass of bone at the end of the tail.  
What could this bone have been used for?

19. Who was Sir Richard Owen?

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## Meat-eaters and plant-eaters

*Some dinosaurs ate plants, and others ate animals. A few kinds of dinosaurs ate both. Click on the "Related Information" tab and look at some of the other World Book articles on dinosaurs. Label whether the dinosaurs below ate animals, plants, or both.*

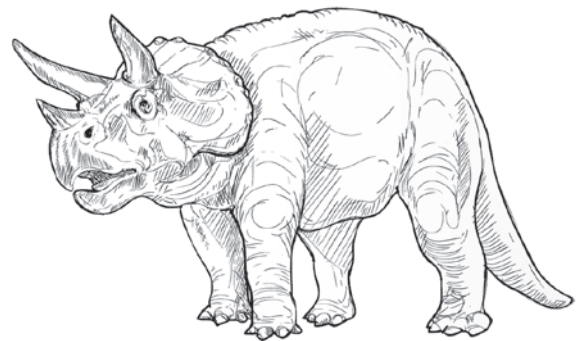
\_\_\_\_\_ 20. *Albertosaurus*

\_\_\_\_\_ 21. *Brontosaurus*

\_\_\_\_\_ 22. *Ornithomimus*

\_\_\_\_\_ 23. *Stegosaurus*

\_\_\_\_\_ 24. *Tyrannosaurus*



25. What does the name *Triceratops* mean? (Hint: For this question see the "Triceratops" article.)

26. The name *Tyrannosaurus* means *tyrant lizard*. How did *Tyrannosaurus* get its name?  
(Hint: For this question see the "Tyrannosaurus" article.)

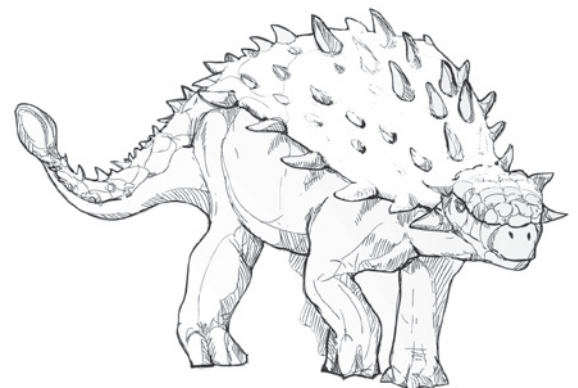
27. What do paleontologists study? (Hint: For this question see the “Paleontology” article.)
28. What is a fossil? What are some kinds of fossils? (Hint: For this question see the “Fossil” article.)
29. Fossils suggest that *Velociraptor* had a covering of what? (Hint: For this question see the “Velociraptor” article.)
30. In 2013, fossils from a dinosaur species called *Patagotitan mayorum* were discovered. What do paleontologists think about *Patagotitan*? (Hint: For this question see the “Sauropod” article.)
31. What did the gigantic dinosaur *Spinosaurus* have on its back? (Hint: For this question see the “Spinosaurus” article.)

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## Dinosaur Names!

Click on the “Related Information” tab in the “Dinosaur” article and look at some of the other World Book articles on dinosaurs. Write what each dinosaurs’ name means.

32. The name *Brontosaurus* means \_\_\_\_\_.
33. The name *Corythosaurus* means \_\_\_\_\_.
34. The name *Iguanodon* means \_\_\_\_\_.
35. The name *Oviraptor* means \_\_\_\_\_.
36. The name *Seismosaurus* comes from the Greek words for \_\_\_\_\_  
and \_\_\_\_\_.
37. The name *Troodon* means \_\_\_\_\_.



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## Extension Activity 1

Imagine that you could resurrect dinosaurs by cloning or other methods. Which kinds of dinosaurs would you choose to resurrect? Why did you choose these dinosaurs? How do you think these dinosaurs would do living today? What do you think it would be like to live with dinosaurs? How might these dinosaurs harm people? What changes might dinosaurs make to the planet? Would people find a way to control the dinosaurs? Overall, if it were possible to bring dinosaurs back to life, do you think it would be a good idea to do so?

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## Extension Activity 2

Look at the “Early view of *Tyrannosaurus rex*” and “Modern illustration of *Tyrannosaurus rex*” illustrations in World Book’s “Dinosaur” article. Using these pictures as a guide, how has scientists’ understanding of *T. rex* changed over the years?

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## Extension Activity 3

Be a researcher! Choose a dinosaur mentioned in the “Related Information” tab of the “dinosaur” article. Use World Book Encyclopedia articles and related books from World Book’s eBook collection on that dinosaur and write a report about the one you choose.

### Read more about dinosaurs by visiting World Book’s eBook collection:

*Armored Dinosaurs: The Ornithischians*. Chicago: World Book, 2015. Dinosaurs. *World eBook* Web. 5 Dec. 2018. <<http://www.worldbookonline.com/wb/ebooks/mall/instt/catalog/urn:ISBN:978-0-7166-3057-9/detail.do>>.

*Birdlike Dinosaurs: Small Theropods and Prehistoric Birds*. Chicago: World Book, 2015. Dinosaurs. *World eBook* Web. 5 Dec. 2018. <<http://www.worldbookonline.com/wb/ebooks/mall/instt/catalog/urn:ISBN:978-0-7166-3058-6/detail.do>>.

*Dinosaurs*. Chicago: World Book, 2018. True or False?. *World eBook* Web. 5 Dec. 2018. <<http://www.worldbookonline.com/wb/ebooks/mall/instt/catalog/urn:ISBN:978-0-7166-3737-0/detail.do>>.

*Fierce Dinosaurs: The Large Theropods*. Chicago: World Book, 2015. Dinosaurs. *World eBook* Web. 5 Dec. 2018. <<http://www.worldbookonline.com/wb/ebooks/mall/instt/catalog/urn:ISBN:978-0-7166-3059-3/detail.do>>.

*Giant Dinosaurs: The Sauropods*. Chicago: World Book, 2015. Dinosaurs. *World eBook* Web. 5 Dec. 2018. <<http://www.worldbookonline.com/wb/ebooks/mall/instt/catalog/urn:ISBN:978-0-7166-3060-9/detail.do>>.



# Teacher Page

## Answers

1. The name *dinosaur* comes from the term *Dinosauria*, which means terribly great lizard.
2. Scientists believe that the first dinosaurs appeared on Earth about 230 million years ago.
3. Scientists learn about dinosaurs by studying their fossils.
4. Many scientists classify birds as living dinosaurs.
5. Scientists divide true dinosaurs into two major groups: (1) ornithischians and (2) saurischians.
6. Ornithischians had a birdlike hip structure and Saurischians had a hip formation much like that of lizards.
7. a. the collision of an asteroid with Earth  
b. large volcanic eruptions in what is now India
8. Ankylosaurs were the most heavily armored of all dinosaurs.
9. Scientists discover and describe an average of 7 new kinds of dinosaurs every year.
10. False. The smallest dinosaurs were approximately the size of a chicken.
11. True.
12. True.
13. False. Fossil evidence suggests that some dinosaurs were much more active and intelligent than previously thought.
14. False. Most dinosaurs were plant-eaters.
15. Three ways that dinosaurs differed from modern-day reptiles are: (1) no modern-day reptiles grow as large as the biggest dinosaurs, (2) many kinds of dinosaurs were bipedal, and (3) dinosaurs had a different kind of leg posture.
16. The Mesozoic is sometimes called the *Age of Reptiles* or *Age of Dinosaurs* because dinosaurs and other reptiles were the largest animals during that time.
17. Scientists believe that *Lagosuchus* was a possible dinosaur ancestor that true dinosaurs may have evolved from.
18. The ankylosaurs' bone could be used as a powerful club against enemies.
19. Sir Richard Owen was an English scientist who suggested that several kinds of large, extinct reptiles belonged to a group of reptiles unlike any living animals. He later called this group *Dinosauria* (terribly great lizards).
20. Animals
21. Plants

22. Both
23. Plants
24. Animals
25. The name *Triceratops* means *three-horned face*.
26. *Tyrannosaurus* got its name because scientists thought that such a huge beast must have ruled over all other animals, killing whatever and whenever it chose.
27. Paleontologists study animals, plants, and other organisms that lived in prehistoric times.
28. Fossils are the marks or remains of organisms that lived thousands or millions of years ago. Some kinds of fossils include leaves, shells, or skeletons that were preserved after a plant or animal died and tracks, trails, or burrows left by moving animals.
29. Fossils suggest that *Velociraptor* had a covering of feathers.
30. Paleontologists believe that *Patagotitan* was the largest land animal to ever walk the Earth.
31. *Spinosaurus* had a large sail on its back.
32. The name *Brontosaurus* means *thunder lizard*.
33. The name *Corythosaurus* means *helmet lizard*.
34. The name *Iguanodon* means *iguana tooth*.
35. The name *Oviraptor* means *egg robber*.
36. The name *Seismosaurus* comes from the Greek words for *earthquake* and *lizard*.
37. The name *Troodon* means *wounding tooth*.

**Extension Activities 1, 2, and 3:** Answers will vary.