

Day of the Dinosaur

Grades 3-5 (8 book set w/3-D model)

Travel through time and take a peek into the evolution of Earth. From the Triassic, the Early middle Jurassic, the Late Jurassic and the Cretaceous periods you will discover how dinosaurs and other prehistoric animals live on land, water and the skies. Read the "Prehistoric Times", build a t-Rex, and discover notes, drawings and observations in "Ancient Earth Journals". Welcome to your dinosaur dig!

Books in this set: Build a T-rex, Dino Diners, Woolly Mammoth, The Prehistoric Times, Ancient Earth Journal- The Late Jurassic, Ancient Earth Journal -The Early Cretaceous, Day of the Dinosaurs and The Amazing Squishy T-Rex

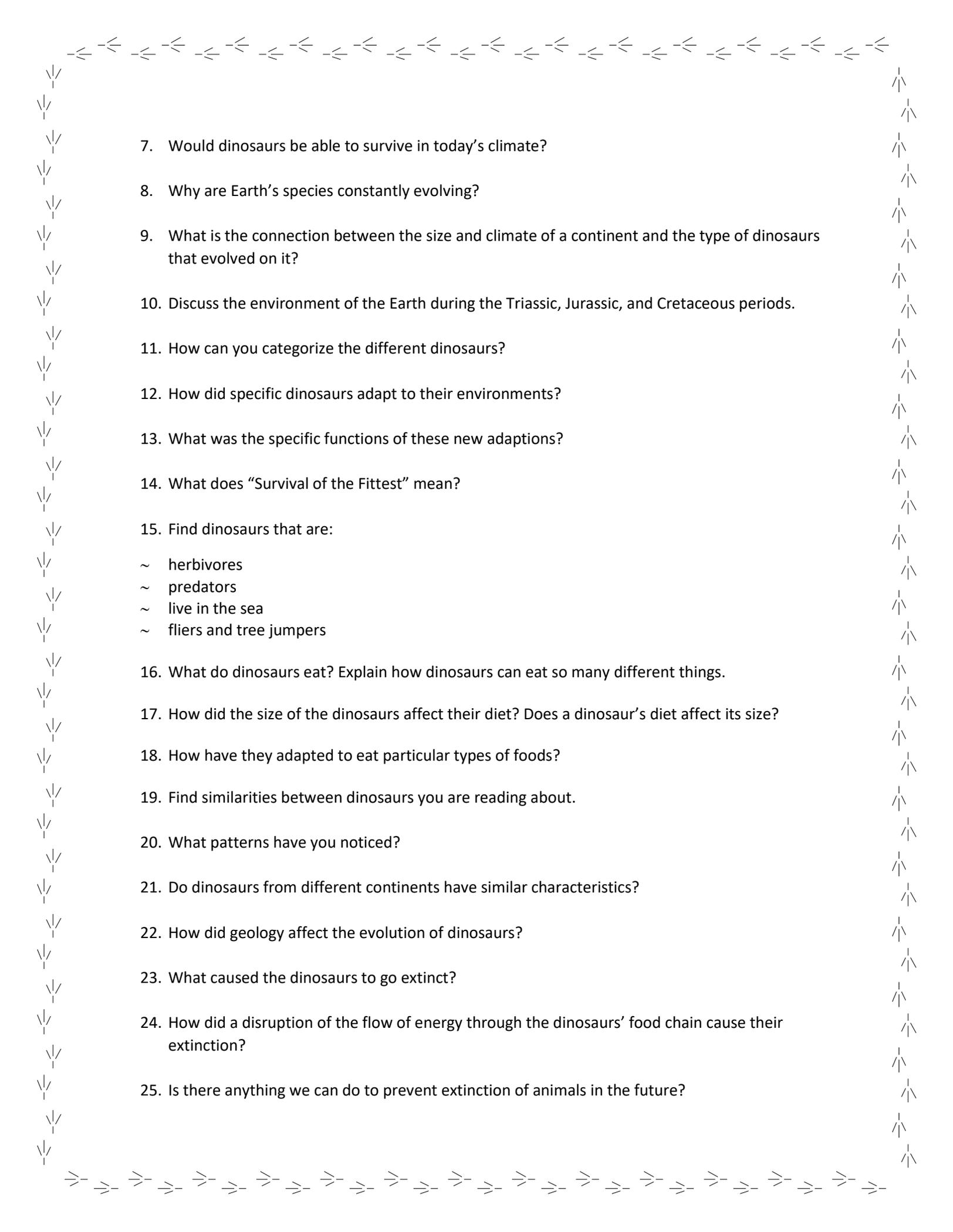
Learning objectives- students will identify patterns, cause and effect relationships and compare and contrast.

Essential questions:

- What are dinosaurs?
- When did dinosaurs roam the Earth?
- What was the Earth like during the Triassic period?
- How do we know there were once dinosaurs on earth?
- How are different types of dinosaurs similar and different?
- How are dinosaurs similar to and different from animals on earth today?
- What is evolution? How has Earth evolved?
- How did the earth change during Prehistoric times?
- How did this affect life on Earth?
- What role do fossils play in the study of evolution?

All of the books in this set will give you a deep understanding of life in prehistoric times the mysterious creatures that roamed the Earth, swam the oceans and flew through the skies. Read through the books in the **Day of the Dinosaur** Set to find out...

1. What are the characteristics of a dinosaur?
2. Are all dinosaurs giant? Why are some big and some small?
3. How do we know how dinosaurs and creatures of long ago looked and behaved?
4. What is a paleontologist? What is a fossil?
5. How do fossils provide evidence about plants and animals that lived long ago?
6. How did geology affect the evolution of dinosaurs?

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7. Would dinosaurs be able to survive in today's climate?
 8. Why are Earth's species constantly evolving?
 9. What is the connection between the size and climate of a continent and the type of dinosaurs that evolved on it?
 10. Discuss the environment of the Earth during the Triassic, Jurassic, and Cretaceous periods.
 11. How can you categorize the different dinosaurs?
 12. How did specific dinosaurs adapt to their environments?
 13. What was the specific functions of these new adaptations?
 14. What does "Survival of the Fittest" mean?
 15. Find dinosaurs that are:
 - ~ herbivores
 - ~ predators
 - ~ live in the sea
 - ~ fliers and tree jumpers
 16. What do dinosaurs eat? Explain how dinosaurs can eat so many different things.
 17. How did the size of the dinosaurs affect their diet? Does a dinosaur's diet affect its size?
 18. How have they adapted to eat particular types of foods?
 19. Find similarities between dinosaurs you are reading about.
 20. What patterns have you noticed?
 21. Do dinosaurs from different continents have similar characteristics?
 22. How did geology affect the evolution of dinosaurs?
 23. What caused the dinosaurs to go extinct?
 24. How did a disruption of the flow of energy through the dinosaurs' food chain cause their extinction?
 25. Is there anything we can do to prevent extinction of animals in the future?

26. In terms of the life of the Earth, how long were dinosaurs alive on Earth?

27. Do the adaptations of the dinosaurs relate to the adaptations we see in animals today? Explain.

28. Would dinosaurs be able to survive in today's climate?

29. Why are Earth's species constantly evolving?

Activities

Go on a fossil dig!

Mix up the following and press it around a plastic dinosaur skeleton. Add extra around all sides and allow it to harden.

1 1/4 cups dirt

1 1/4 cups of flour

3/4 cups salt

1/2 cup sand

Water (to moisten)

Once it is hard just use a toy hammer, stick, paint brush, and goggles to have your own dinosaur excavation dig!

You are a scientist. Create a journal of your trip to one of the prehistoric periods during a 24 hour period. What did you see, hear, smell, taste, and touch? Use descriptive language, sketches, labels and field notes.

Using Q-tips, design a realistic dinosaur skeleton. Glue the Q-tips to paper when you are finished and label.

Create a realistic diorama of a scene in the dinosaur world. Include the habitat, climate, diet, and accurate body characteristics (teeth, legs).

With a partner or small group, conduct research on different types of fossils including; bones, foot prints, plants, and teeth.

Based upon your research, select one type of dinosaur. Create a map of different locations around the United States where these fossils have been found. Your map should include physical features of the landscape found there and how those features might connect to the area's past. Create a short write-up

describing the dinosaur fossils you have selected and the locations where these fossils were found. Be sure to explain your reasoning behind the choice. Use visual aids including photographs to enhance your presentation.

For more information on this topic, please refer to the books below:

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| 9781847809230 | Build a... T-rex |
| 9781847808455 | Day of the Dinosaurs |
| 9781847806659 | Dino-Dinners |
| 9781633220331 | Early Cretaceous, The |
| 9781633221086 | Late Jurassic, The |
| 9781847809216 | Prehistoric Times, The |
| 9781847806642 | Woolly Mammoth |