

Nonfiction Science Stories

Use what you learned from the nonfiction science stories to answer each question.

1. What is an ecosystem? _____

2. When does a volcano form? _____

3. Name the differences between stars and planets. _____

4. Where must monarch butterflies go during the winter? Why? _____

5. Name two ways that a fossil can form. _____

6. Why do animals use camouflage? _____
7. Who was John Muir? _____

8. What is a coral reef? _____

9. What causes lightning to form? _____

10. Name one thing that can cause an earthquake. _____

Nonfiction Science Stories

Shade in the circle next to the correct answer.

1. _____ is where an animal's skin or fur color helps it hide.
Ⓐ disruptive coloring
Ⓑ concealing coloration
Ⓒ hair coloring
2. _____ are scientists who study fossils.
Ⓐ Paleontologists
Ⓑ Seismologists
Ⓒ Astronomers
3. _____ is caused by lightning.
Ⓐ rain
Ⓑ snow
Ⓒ thunder
4. Which word means "the place where plants or animals live"?
Ⓐ home
Ⓑ habitat
Ⓒ zoo
5. Which insect has orange and black markings on its wings?
Ⓐ monarch butterflies
Ⓑ dragonflies
Ⓒ ladybugs
6. _____ are clusters of stars that form special shapes.
Ⓐ shooting stars
Ⓑ constellations
Ⓒ galaxies
7. What are cracks that form in Earth's upper crust when tectonic plates move?
Ⓐ epicenters
Ⓑ seismometers
Ⓒ fault lines
8. What is the name of the club that John Muir formed?
Ⓐ Sierra Club
Ⓑ National Park Club
Ⓒ Nature Club
9. A _____ is an opening formed when magma breaks through Earth's surface.
Ⓐ magma
Ⓑ crater
Ⓒ mountain top
10. How much of the earth's surface is underwater?
Ⓐ 50%
Ⓑ 90%
Ⓒ 75%

Fiction Science Stories

Use what you learned from the fiction science stories to answer each question.

1. **Who** does the narrator in *Monarch Journey* help? _____

2. **Who** does the narrator in *Saved by the Sea* rescue? _____

3. **What** is happening in *Last Day in Pompeii*? _____

4. **What** happened to the frogs in *Everything is Connected*? _____

5. **When** does the narrator's skin turn beautiful colors in *The Lonely Chameleon*?

6. **When** did the narrator from *A Little Cosmic Dust* learn about cosmic dust?

7. **Where** does the narrator hide during the earthquake in *On Shaky Ground*?

8. **Where** do the children in *A Ball of Lightning* run when the thunderstorm starts?

9. **Why** is the whale bone in *Bulldozers & Bones* on dry land? _____

10. **Why** is the tree in *Father of the Forest* afraid of the man? _____

Fiction Science Stories

Shade in the circle next to the correct answer.

- _____ falls from the sky in *Last Day in Pompeii*.
 (A) rain
 (B) ash and rocks
 (C) leaves
- Where do the narrator and Grandpa go to help the meadow in *Everything is Connected*?
 (A) the ranger's station
 (B) the national park website
 (C) the Sierra Club
- Who taught the narrator in *A Little Cosmic Dust* about cosmic dust?
 (A) his mom
 (B) his dad
 (C) his science teacher
- What insect do the narrator and her brother watch in *A Ball of Lightning*?
 (A) fire ant
 (B) beetle
 (C) ant lion
- Who is waiting for the narrator in *Monarch Journey*?
 (A) a crying woman
 (B) its relatives
 (C) its children
- What does the narrator in *The Lonely Chameleon* want?
 (A) food
 (B) a friend
 (C) a nap
- The narrator in *Saved by the Sea* likes to go into a _____.
 (A) cove
 (B) tide pool
 (C) coral reef
- An _____ causes dishes to fall out of the cupboards in *On Shaky Ground*.
 (A) tsunami
 (B) tornado
 (C) earthquake
- What are the narrator and his dad building in *Bulldozers & Bones*?
 (A) a model airplane
 (B) a tree house
 (C) their house
- What does the man in *Father of the Forest* promise the tree?
 (A) to protect it
 (B) to cut it down
 (C) to water it

Nonfiction & Fiction Science Stories

Use what you learned from the nonfiction and fiction science stories to answer each riddle.

1. I am a string of volcanoes along the sides of the Pacific Ocean.

What am I?

2. I am the narrator of *Saved by the Sea*. I am called "Honu" in Hawaii.

What am I?

3. I am a machine that measures the size of an earthquake's waves.

What am I?

4. I am the metal that makes cosmic dust stick to magnets.

What am I?

5. I am the remains of a plant or an animal that has been preserved.

What am I?

6. I am the bare ground surrounded by a group of trees where *Father of the Forest* takes place.

What am I?

7. I am a series of plants and animals in which each kind is a source of food for the next one in line.

What am I?

8. I am what the narrator finds in *Bulldozers & Bones*.

What am I?

9. I am chunks of rock and metal that burn up when I hit the Earth's atmosphere. I cause a bright streak of light in the night sky.

What am I?

10. The narrator in *Last Day in Pompeii* finds me in the middle of the street frozen in fear. We are dressed alike, and she takes me with her.

Who am I?

Page 1

1. a group of plants, animals, and nonliving things that make up an environment and have an effect on each other
2. when hot material deep in the earth rises and leaks onto Earth's surface
3. **stars**—twinkle; made of hot, glowing gases
planets—do not twinkle, have a steady glow, made of solid matter
4. to warmer places; so they can lay their eggs
5. an animal or a plant gets trapped in tar, amber, or ice; shells or bones become replaced by minerals; pressure from layers of rocks
6. to protect themselves
7. one of the first naturalists in the U.S.; the "Father of America's National Parks"
8. huge colorful structures made from coral and found in warm ocean waters close to the shoreline
9. electrons moving quickly between the earth and the sky
10. the movement of tectonic plates; volcanic activity

Page 2

1. b
2. a
3. c
4. b
5. a
6. b
7. c
8. a
9. b
10. c

Page 3

1. a woman crying on the bench
2. a girl who is drowning
3. A volcano is erupting.
4. The fish brought in by the resort ate the tadpoles.
5. when it's happy
6. last year
7. under the kitchen table

8. inside their house
9. The sea used to cover the area. Then mountains were formed, and the earth rose up to where he and his dad are building their family's house.
10. It thinks that the man might cut it down.

Page 4

1. b
2. a
3. c
4. c
5. b
6. b
7. a
8. c
9. c
10. a

Page 5

1. Ring of Fire
2. green sea turtle
3. seismometer
4. iron
5. fossil
6. grove
7. food chain
8. fossil; whale bone
9. shooting star
10. slave girl

Performance Objective Correlations:

- Answer questions based on information given
- Compare and contrast ideas
- Demonstrate understanding of words and ideas
- Expand vocabulary
- Find relevant facts
- Locate the answer
- Read for details
- Understand cause and effect
- Understand the meaning of words and ideas