

Food Chain Facts

Fill in the circle to complete the sentence. Then answer questions 3 and 4.

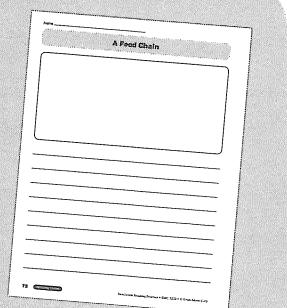
1. The food chain shown is in _____.
Ⓐ the desert
Ⓑ a forest
Ⓒ an ocean
2. At the beginning of the food chain, the _____ eats a plant.
Ⓐ eagle
Ⓑ snake
Ⓒ ant
3. Why do you think the eagle is the top predator?

4. How would you compare the animals in the forest to links in a chain?

Write About the Topic

Use the Writing Form to draw and write about what you read.

Draw the food chain, then add labels. Explain how the animals get energy from each other.



Neil deGrasse Tyson

Level 1 ■

Words to Know list, Reading Selection, and Reading Comprehension questions

Learning About Space

Have you ever wanted to learn more about space? Neil deGrasse Tyson did. He visited the Hayden Planetarium when he was just seven years old. That's when he discovered he loved space science.

A planetarium is a place to learn about space. Tyson worked hard and earned college degrees in space science. Now, he's in charge of the planetarium he visited as a child!

Tyson has written many science articles and books. He's also been on many television shows. Tyson has won a lot of awards for his great work. He's been asked to work on national science projects.

Tyson believes that everyone should care about space. To be curious is to wonder about things. You will want to learn more about things. Tyson thinks everyone should try to learn something new every day. You can read a magazine or a book. You can look for information online. Visit a museum or a planetarium. What new things do you learn today?

64 Neil deGrasse Tyson R
National Geographic Kids © 2012

Learning About Space

Fill in the circle to complete the sentence.

Neil deGrasse Tyson is part of the American Museum of Natural History's **Hayden Planetarium**.

Words to Know

space
Neil deGrasse Tyson
Hayden Planetarium
science
college
degrees
articles
national
curious

Level 2 ■ ■

Words to Know list, Reading Selection, and Reading Comprehension questions

Studying the Universe

When Neil deGrasse Tyson was nine years old, he went to the Hayden Planetarium in New York City. A planetarium is a place where people can learn about space. At a planetarium, you can learn about the planets and our star, the sun. You can also learn about other stars. Visiting the planetarium sparked his interest. Tyson wanted to learn more about the universe.

Tyson studied hard and became an astrophysicist. Astrophysicists study the stars. They also study other things in space. It takes a lot of hard work to become this kind of scientist. Tyson had to study and go to school for a long time.

Today, Tyson is the director of the Hayden Planetarium. The planetarium is inside the Rose Center of the American Museum of Natural History in New York City. People who visit the planetarium can learn more about space and the universe. The planetarium has classes for adults and children. It also has special events throughout the year.

The main display in the Hayden Planetarium is the Rose Center. It has a curved ceiling. Inside, you can watch images of the night sky on its ceiling. You can watch science shows. Tyson has helped make shows. Tyson has helped make the Hayden Planetarium an exciting place to visit. He will continue to work on amazing science projects in the future.

65 Neil deGrasse Tyson R/G
National Geographic Kids © 2012

Studying the Universe

Fill in the circle to complete the sentence.

Neil deGrasse Tyson is the director of the **Rose Center** at the **American Museum of Natural History**.

Words to Know

Neil deGrasse Tyson
Hayden Planetarium
space
planets
stars
interest
universe
astrophysicist
articles
Cosmos

Level 3 ■ ■ ■

Words to Know list, Reading Selection, and Reading Comprehension questions

A Place to Learn

There are many different kinds of scientists. Neil deGrasse Tyson is an astrophysicist. Astrophysicists study the stars. They also study other things in space. It takes a lot of hard work to become this kind of scientist. Tyson had to study and go to school for a long time.

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National Geographic Kids © 2012

A Place to Learn

Fill in the circle to complete the sentence.

Neil deGrasse Tyson is the director of the **Rose Center** at the **American Museum of Natural History**.

Words to Know

scientists
Neil deGrasse Tyson
astrophysicist
director
Hayden Planetarium
Rose Center
American Museum of Natural History
universe
events
display
ceiling
exciting

Assemble the Unit

Reproduce and distribute one copy for each student:

- Visual Literacy page: Neil deGrasse Tyson Timeline, page 81
- Level 1, 2, or 3 Reading Selection and Reading Comprehension page and the corresponding Words to Know list
- Graphic Organizer of your choosing, provided on pages 180–186
- Writing Form: Neil deGrasse Tyson, page 82

Introduce the Topic

Read aloud and discuss the Neil deGrasse Tyson Timeline.

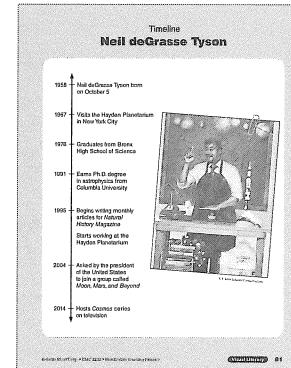
Explain that Tyson is a well-known and very successful scientist in the United States. Review the basic purpose of a planetarium. Ask students who have been to one to share their experiences.

Read and Respond

Form leveled groups and review the Words to Know lists with each group of students. Instruct each group to read their selection individually, in pairs, or as a group. Have students complete the Reading Comprehension page for their selection.

Write About the Topic

Read aloud the leveled writing prompt for each group. Tell students to use the Graphic Organizer to plan their writing. Direct students to use their Writing Form to respond to their prompt.



Visual Literacy

Neil deGrasse Tyson

Fill in the lines to write about Neil deGrasse Tyson.

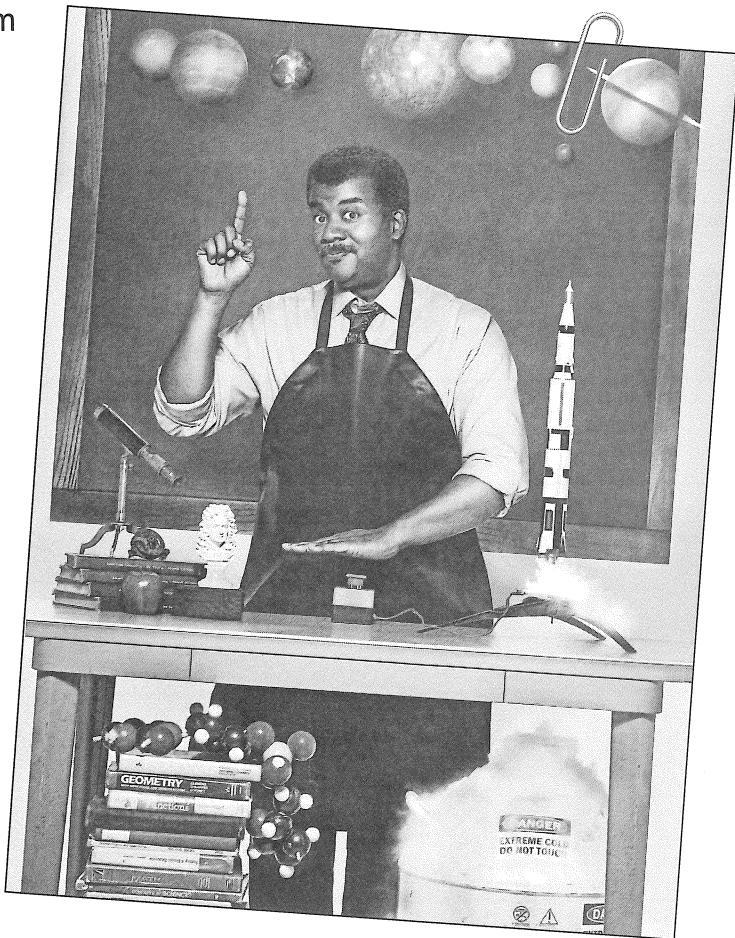
82 Writing Form
National Geographic Kids © 2012 • Evan-Moor Corp.

Writing Form

Timeline

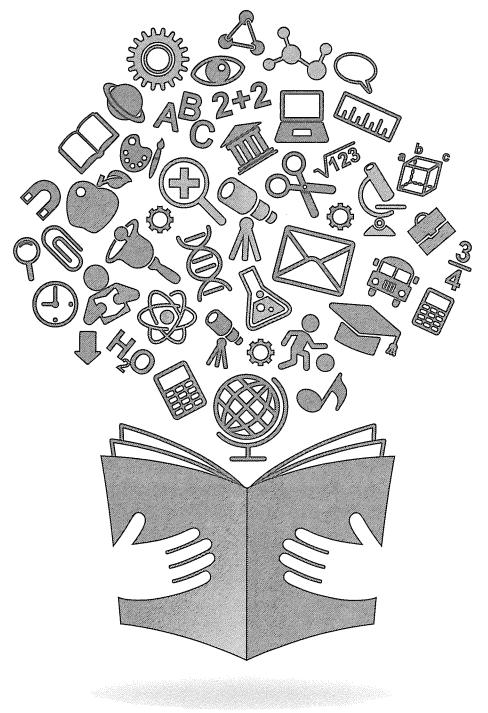
Neil deGrasse Tyson

- 1958 Neil deGrasse Tyson born on October 5
- 1967 Visits the Hayden Planetarium in New York City
- 1976 Graduates from Bronx High School of Science
- 1991 Earns Ph.D. degree in astrophysics from Columbia University
- 1995 Begins writing monthly articles for *Natural History Magazine*
Starts working at the Hayden Planetarium
- 2004 Asked by the president of the United States to join a group called *Moon, Mars, and Beyond*
- 2014 Hosts *Cosmos* series on television



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Neil deGrasse Tyson



Words to Know

Learning About Space

space
Neil deGrasse Tyson
Hayden Planetarium
science
college
degrees
articles
national
curious

Words to Know

Studying the Universe

Neil deGrasse Tyson
Hayden Planetarium
space
planets
stars
interest
universe
astrophysicist
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Cosmos

Words to Know

A Place to Learn

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Neil deGrasse Tyson ■

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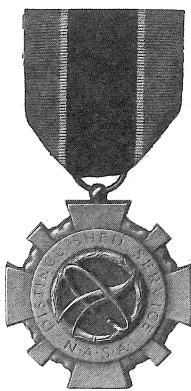
Neil deGrasse Tyson ■ ■ ■



Learning About Space

Have you ever wanted to learn more about space? Neil deGrasse Tyson did. He visited the Hayden Planetarium when he was nine years old. That was when he discovered he loved space science.

A planetarium is a place to learn about space. Tyson worked hard and earned college degrees in space science. Now, he's in charge of the planetarium he visited as a child!



Tyson won the NASA Distinguished Service Medal in 2004.

Tyson has written many science articles and books. He's also been on many television shows. Tyson has won a lot of awards for his great work. He's been asked to work on national science projects, too.

Tyson believes that everyone should be curious. To be curious is to wonder about things. You will want to learn more about the world if you are curious. Tyson thinks everyone should try to learn something new every day. You can read a magazine or a book. You can look for information online. Visit a museum or a planetarium. What new thing can you learn today?



Sean Pavone / Shutterstock.com

The Hayden Planetarium is part of the American Museum of Natural History. It is in New York City.

Learning About Space

Fill in the circle to complete the sentence. Then answer questions 3 and 4.

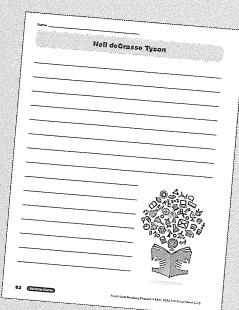
1. Neil deGrasse Tyson first visited the Hayden Planetarium when he was _____.
Ⓐ getting an award
Ⓑ nine years old
Ⓒ in college
2. Neil deGrasse Tyson discovered _____ at a planetarium.
Ⓐ he loved space science
Ⓑ Mars
Ⓒ television
3. What is the main idea of the third paragraph?

4. What are you curious about? Write three questions you would ask Neil deGrasse Tyson if you met him.

Write About the Topic

Use the Writing Form to write about what you read.

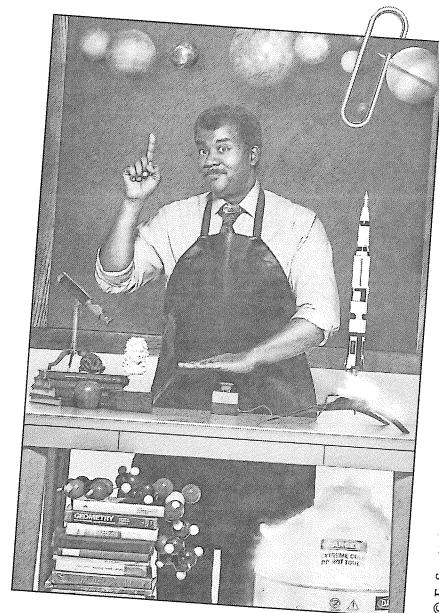
Write to tell about Neil deGrasse Tyson. Tell about his life and how he feels about learning.



Studying the Universe

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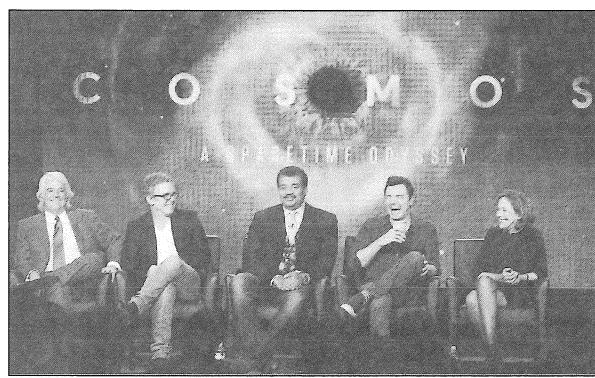
Tyson studied hard and became an astrophysicist. Astrophysicists study space. Tyson also wrote articles for science magazines. He published science books. In 1995, Tyson went to work at the Hayden Planetarium. Now, he's the person in charge there.



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Tyson is a very good teacher. He explains even hard science topics in a way that is easy to understand. He's helped many people learn about the universe. In 2014,

he hosted a television show on TV. It was called *Cosmos*. About 135 million people around the world watched the show. Tyson was able to teach millions of people about the universe!



© KEVORK DJANSEZIAN/Reuters/Corbis

Tyson's *Cosmos* television show had 13 episodes about different space topics.

Studying the Universe

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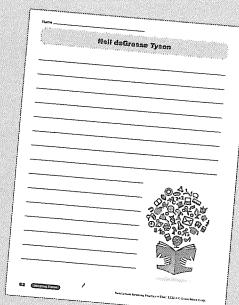
1. People can learn about the universe at places called _____.
Ⓐ astrophysicists
Ⓑ articles
Ⓒ planetariums
2. An astrophysicist studies _____.
Ⓐ museums
Ⓑ space
Ⓒ television shows
3. Do you think the Hayden Planetarium is important to Tyson?
Why?

4. What three questions would you ask Neil deGrasse Tyson?

Write About the Topic

Use the Writing Form to write about what you read.

Write to tell about Neil deGrasse Tyson. What has he done to help others learn about space?

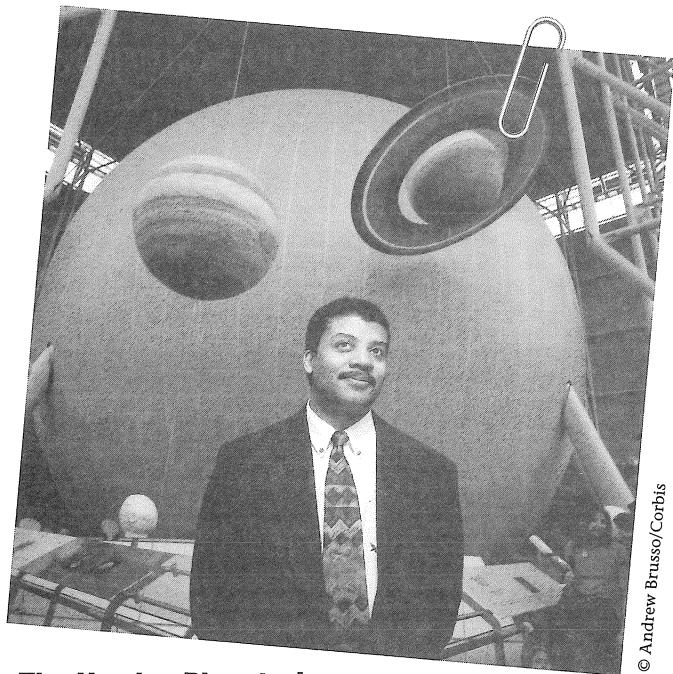


A Place to Learn

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**The Hayden Planetarium
is inside of the Rose Center.**