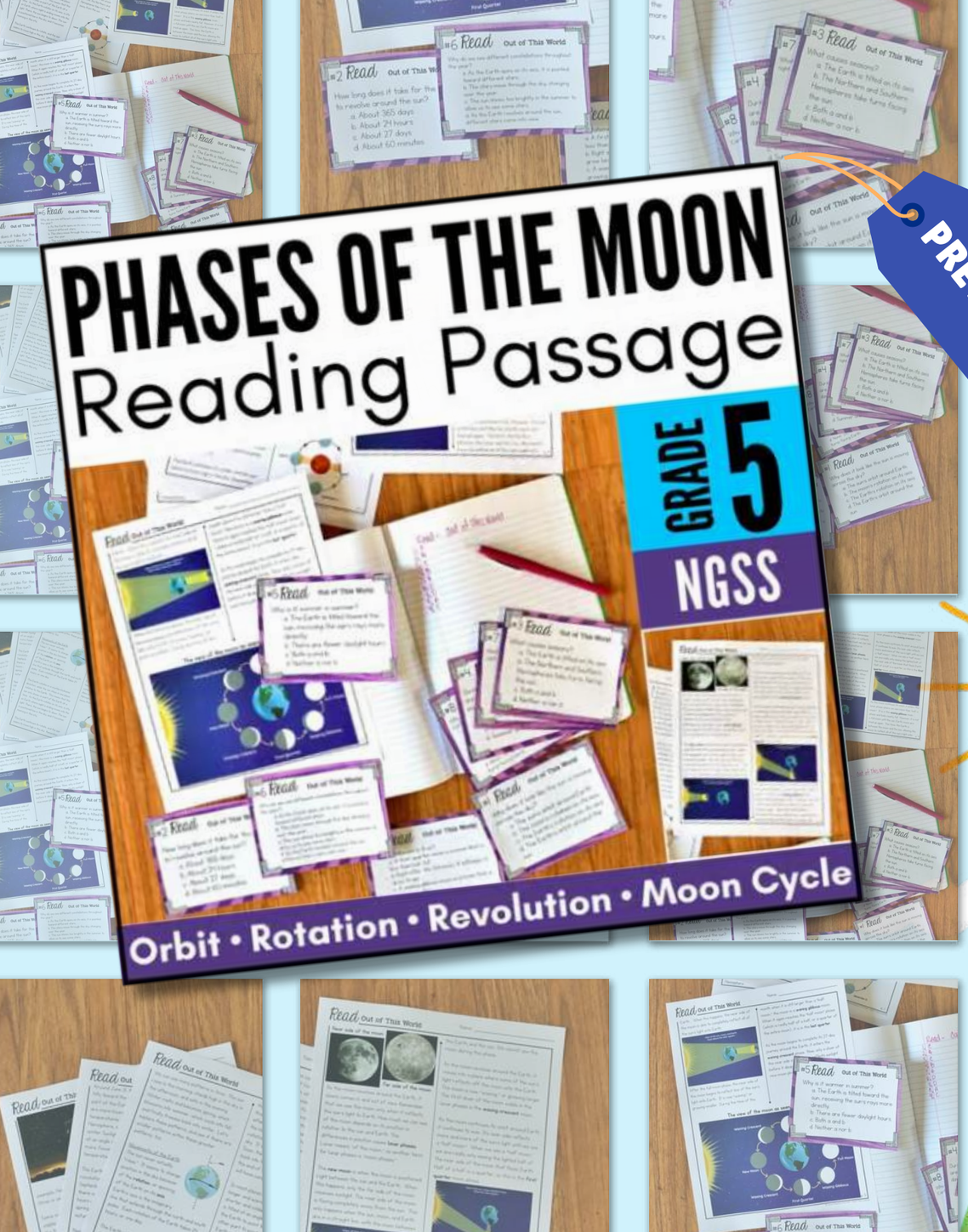


5TH GRADE

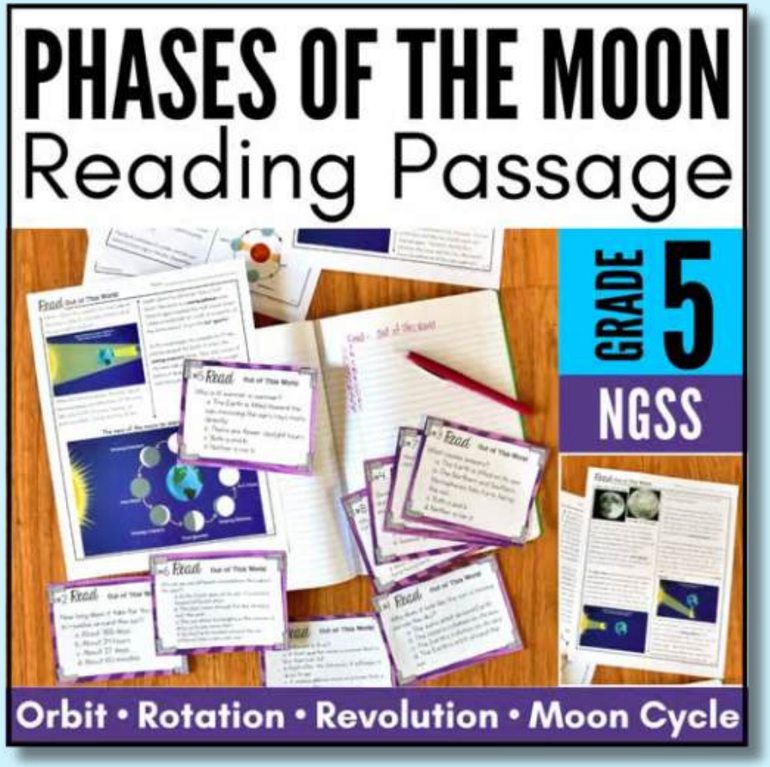
Connect Earth, Moon, and Sun Concepts

READ PHASES OF THE MOON

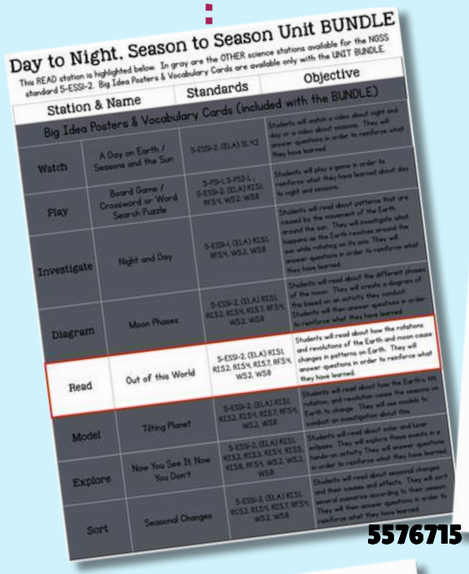
DAY & NIGHT

KEEP SCROLLING TO SEE WHAT'S INSIDE!

ACTIVITY OVERVIEW



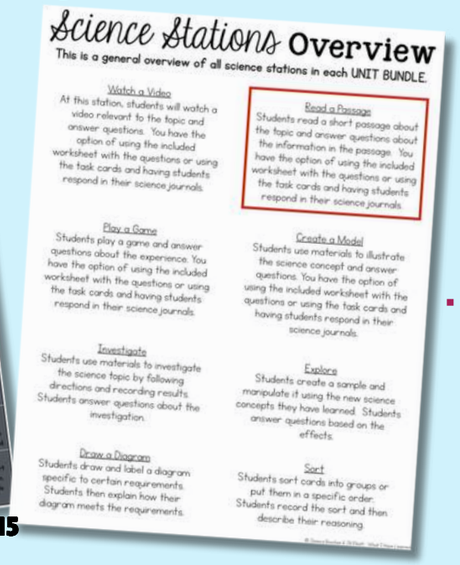
ADD TO CART


Day to Night, Season to Season Unit BUNDLE

This READ station is highlighted below. In gray are the OTHER science stations available for the NGSS standard 5-ESS1-2. Big Idea Posters & Vocabulary Cards are available only with the UNIT BUNDLE.

Station & Name		Standards	Objective
Big Idea Posters & Vocabulary Cards (included with the BUNDLE)			
Watch	A Day on Earth / Seasons and the Sun	5-ESS1-2, (ELA) SL.1.2	Students will watch a video about night and day or a video about seasons. They will answer questions in order to reinforce what they have learned.
Play	Board Game / Crossword or Word Search Puzzle	5-PS1-1, 5-ESS1-2, (ELA) RI.5.1, RF.5.4, WS.2, WS.8	Students will play a game in order to reinforce what they have learned about day to night and seasons.
Investigate	Night and Day	5-ESS1-1, (ELA) RI.5.1, RF.5.4, WS.2, WS.8	Students will read about patterns that are caused by the movement of the Earth around the sun. They will investigate what happens as the Earth revolves around the sun while rotating on its axis. They will answer questions in order to reinforce what they have learned.
Diagram	Moon Phases	5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about the different phases of the moon. They will create a diagram of the moon based on an activity they conduct. Students will then answer questions in order to reinforce what they have learned.
Read	Out of this World	5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about how the rotations and revolutions of the Earth and moon cause changes in patterns on Earth. They will answer questions in order to reinforce what they have learned.
Model	Tilting Planet	5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about how the Earth's tilt, rotation, and revolution cause the seasons on Earth to change. They will use models to conduct an investigation about this.
Explore	Now You See It, Now You Don't	5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.3, RI.5.4, RI.5.5, RI.5.8, RF.5.4, WS.2, WS.3, WS.8	Students will read about solar and lunar eclipses. They will explore these events in a hands-on activity. They will answer questions in order to reinforce what they have learned.
Sort	Seasonal Changes	5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about seasonal changes and their causes and effects. They will sort several scenarios according to their season. They will then answer questions in order to reinforce what they have learned.

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Science Stations Overview

This is a general overview of all science stations in each UNIT BUNDLE.

Watch a Video
At this station, students will watch a video relevant to the topic and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Read a Passage
Students read a short passage about the topic and answer questions about the information in the passage. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Play a Game
Students play a game and answer questions about the experience. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

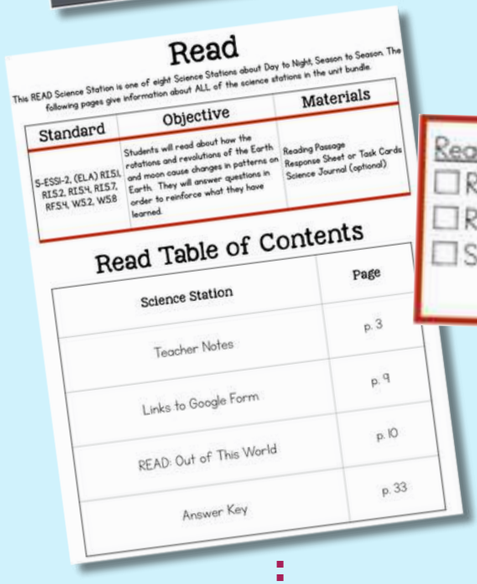
Create a Model
Students use materials to illustrate the science concept and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Investigate
Students use materials to investigate the science topic by following directions and recording results. Students answer questions about the investigation.

Explore
Students create a sample and manipulate it using the new science concepts they have learned. Students answer questions based on the effects.

Draw a Diagram
Students draw and label a diagram specific to certain requirements. Students then explain how their diagram meets the requirements.

Sort
Students sort cards into groups or put them in a specific order. Students record the sort and then describe their reasoning.


Read

This READ Science Station is one of eight Science Stations about Day to Night, Season to Season. The following pages give information about ALL of the science stations in the unit bundle.

Standard	Objective	Materials
5-ESS1-2, (ELA) RI.5.1, RI.5.2, RI.5.4, RI.5.7, RF.5.4, WS.2, WS.8	Students will read about how the rotations and revolutions of the Earth and moon cause changes in patterns on Earth. They will answer questions in order to reinforce what they have learned.	Reading Passage Response Sheet or Task Cards Science Journal (optional)

Read Table of Contents

Science Station	Page
Teacher Notes	p. 3
Links to Google Form	p. 9
READ: Out of This World	p. 10
Answer Key	p. 33

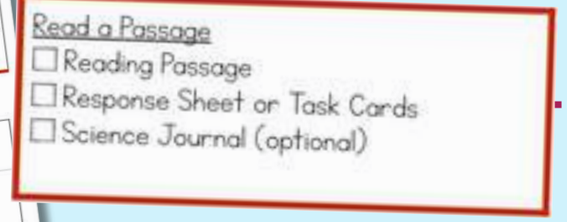

Read a Passage
- ☐ Reading Passage
- ☐ Response Sheet or Task Cards
- ☐ Science Journal (optional)

Table of Contents

Science Station Overview

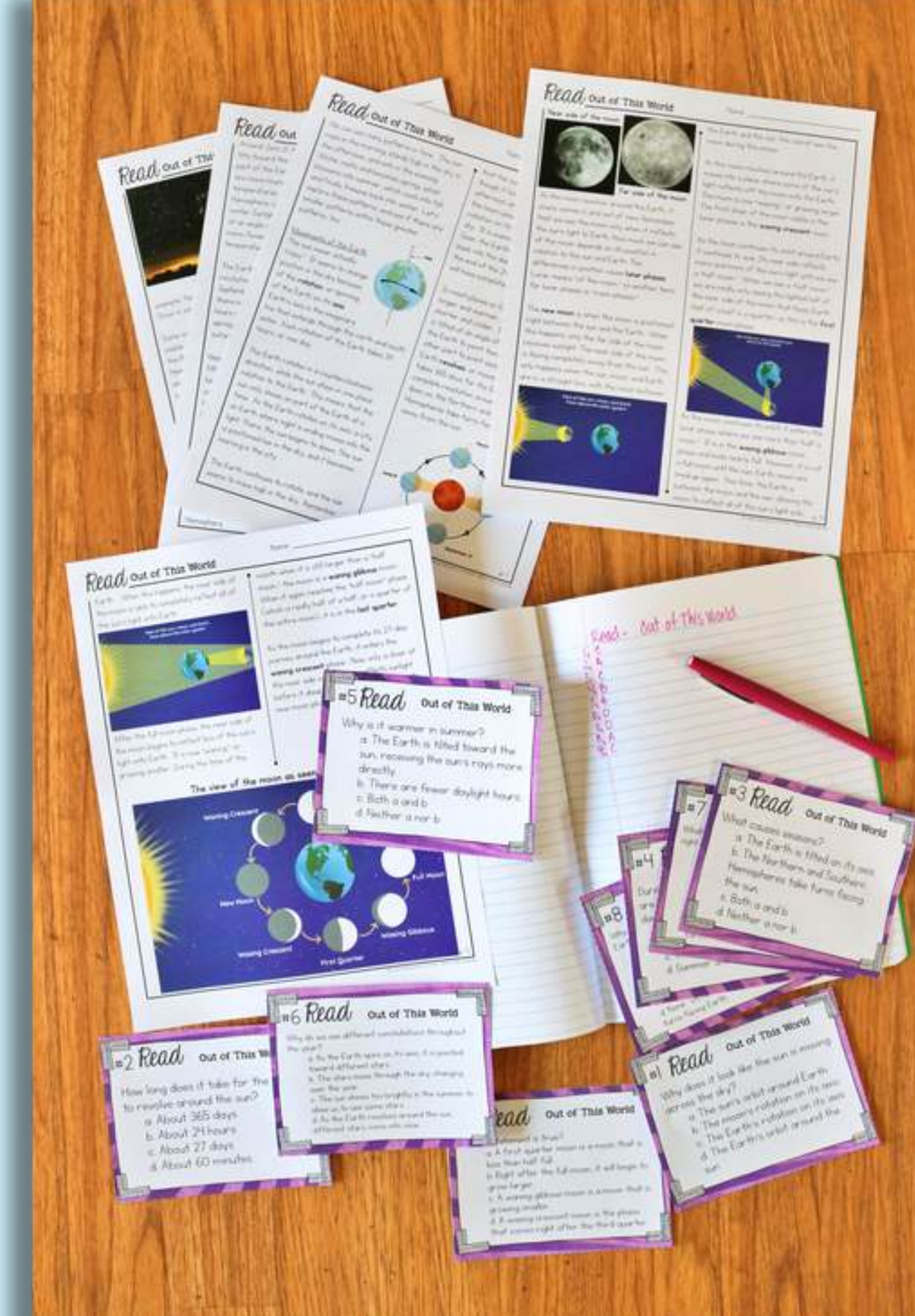
Materials Checklist

Table of Contents / Teacher's Notes

WHAT'S INCLUDED

READ SCIENCE STATION

- Teacher Notes
- **Student Text** in two formats
- Student **Instructions**
- **Activity Sheets** for observation
- Differentiated **Questions**
- Answer Key
- Google Form™



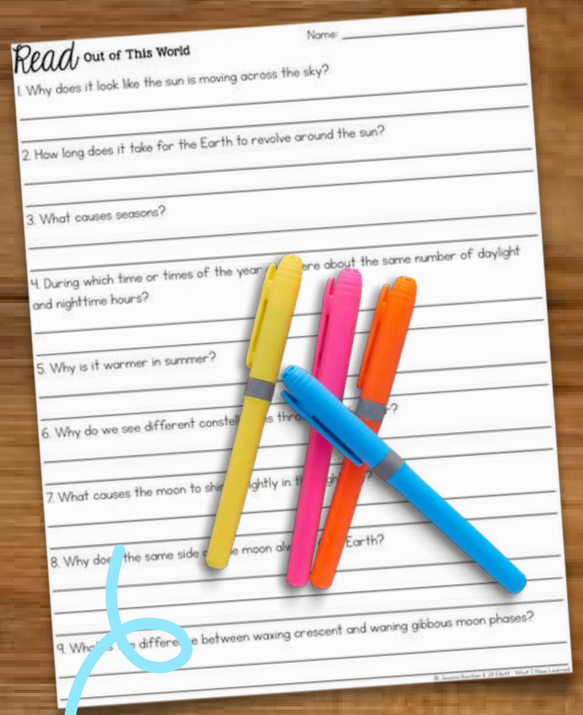
READING PASSAGE



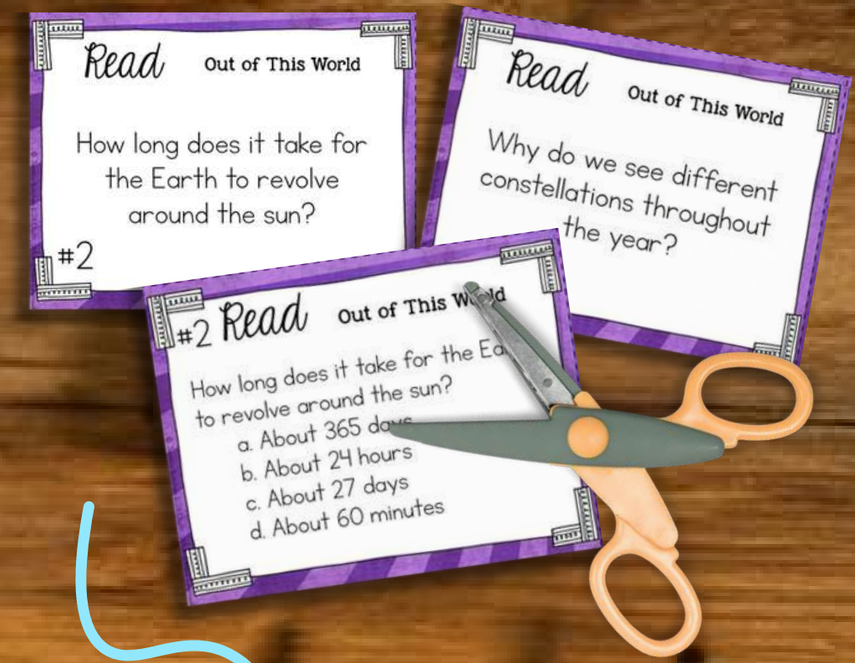


AVAILABLE IN TWO FORMATS

DIFFERENTIATED QUESTIONS







SHORT ANSWER

FILL-IN-THE BLANK

TASK CARDS: SHORT ANSWER & MULTIPLE CHOICE

Read

Out of This World

As the moon continues its orbit, it enters the lunar phase when [illegible] see more than "half a moon." It is in the **waxing gibbous** moon phase and look[illegible] However, it is not a full moon until the sun, Earth, moon are [illegible] time, the Earth is between the moon and the sun, allowing [illegible] of the sun's light onto Earth. When this happens, the near[illegible] to completely reflect all of the sun's light onto Earth.

View of the sun, moon, and [illegible] from above the solar sy[illegible]

Read

Out of This World

As the moon revolves around the Earth, it moves into a place where some of the sun's light reflects off the moon onto the Earth. The moon is now "waxing," or growing larger. The first sliver of the moon visible in the lunar phases is the **waxing crescent** moon.

As the moon continues its orbit around Earth, it continues to wax. Its near side reflects more and more of the sun's light until we see a "half moon." When we see a "half moon," we are really only seeing the lighted half of the near side of the moon that faces Earth. Half of a half is a quarter, so this is the **first quarter** moon phase.



p. 7

Read

Out of This World

As the moon revolves around the Earth, it slowly comes in and out of view. Remember that we see the moon only when it reflects the sun's light to Earth. How much we can see of the moon depends on its position in relation to the sun and Earth. The differences in position cause **lunar phases**. Lunar means "of the moon," so another term for lunar phases is "moon phases."

The **new moon** is when the moon is positioned right between the sun and the Earth. When this happens, only the far side of the moon receives sunlight. The near side of the moon is facing completely away from the sun. This only happens when the sun, moon, and Earth are in a straight line, with the moon between the Earth and the sun. We cannot see the moon during this phase.



p. 6

Read Out of This World

Name: _____

1. Why does it look like the sun is moving across the sky?
It looks like the sun is moving across the sky because of the Earth's rotation on its axis. As the Earth rotates, different parts of the Earth move from darkness into sunlight.

2. How long does it take for the Earth to revolve around the sun?
It takes about 365 days for the Earth to revolve around the sun.

3. What causes seasons?
The Earth is tilted on its axis. As it revolves around the sun, the Northern and Southern Hemispheres take turns facing the sun. This causes seasons.

4. During which time or times [illegible] there about the same number of daylight and nighttime hours?
During the spring and [illegible]nd September 21) there are about the same number of [illegible]

5. Why is it warmer in su[illegible]
It is warmer in the summer [illegible] the sun, receiving the sun's rays more directly. Also there are mor[illegible] time for the Earth to warm up.

6. Why do we see different cons[illegible] year?
We see different constellations throu[illegible] as the Earth moves through space during its revolution around the [illegible] come into view.

7. What causes the moon to shine brightly [illegible]
The moon shines brightly in the night sky b[illegible] ng light from the sun to Earth.

8. Why does the same side of the moon always [illegible]
The same side of the moon always faces Earth [illegible] s rotation and revolution are both the same amount of time--27 days.

9. What is the difference between waxing crescen[illegible] us moon phases?
A waxing crescent moon is a moon that is less th[illegible] ving larger. A waning gibbous moon is a moon that is more than [illegible] smaller.

Read Out of This World

Why do we see different constellations throughout the year?

#6

Read Out of This World

What is the difference between waxing crescent and waning gibbous moon phases?

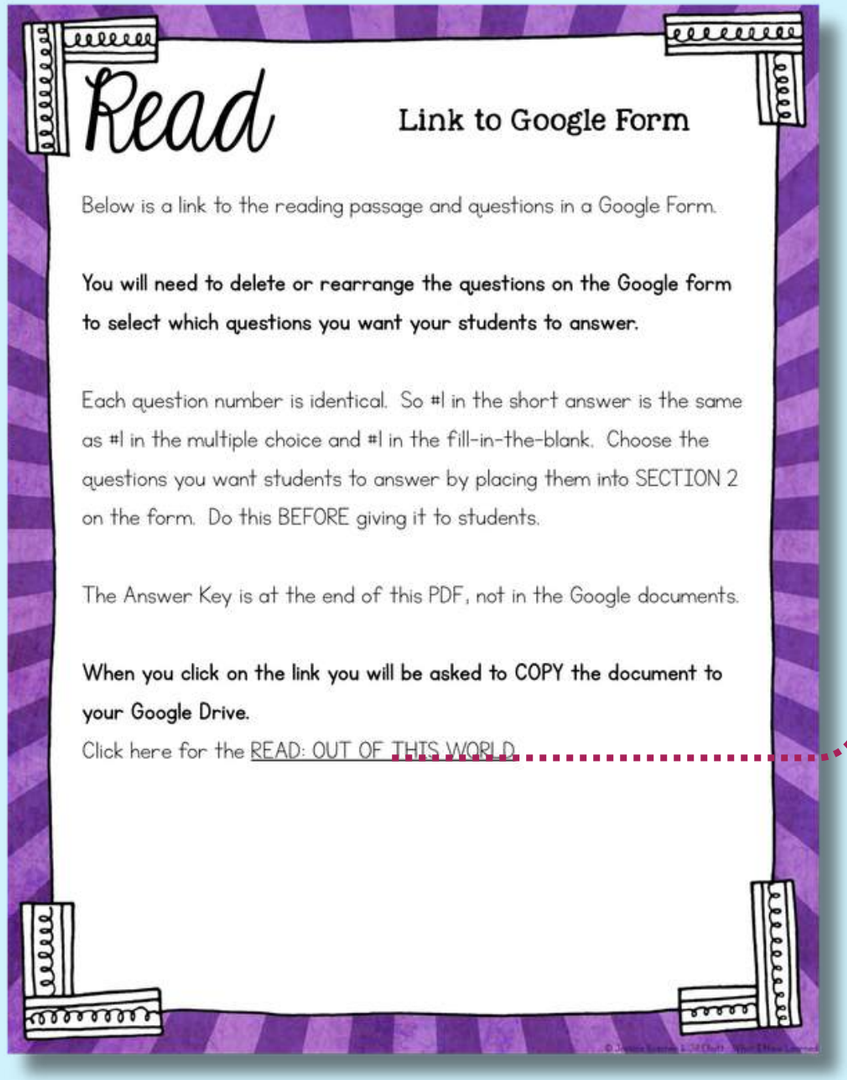
#9

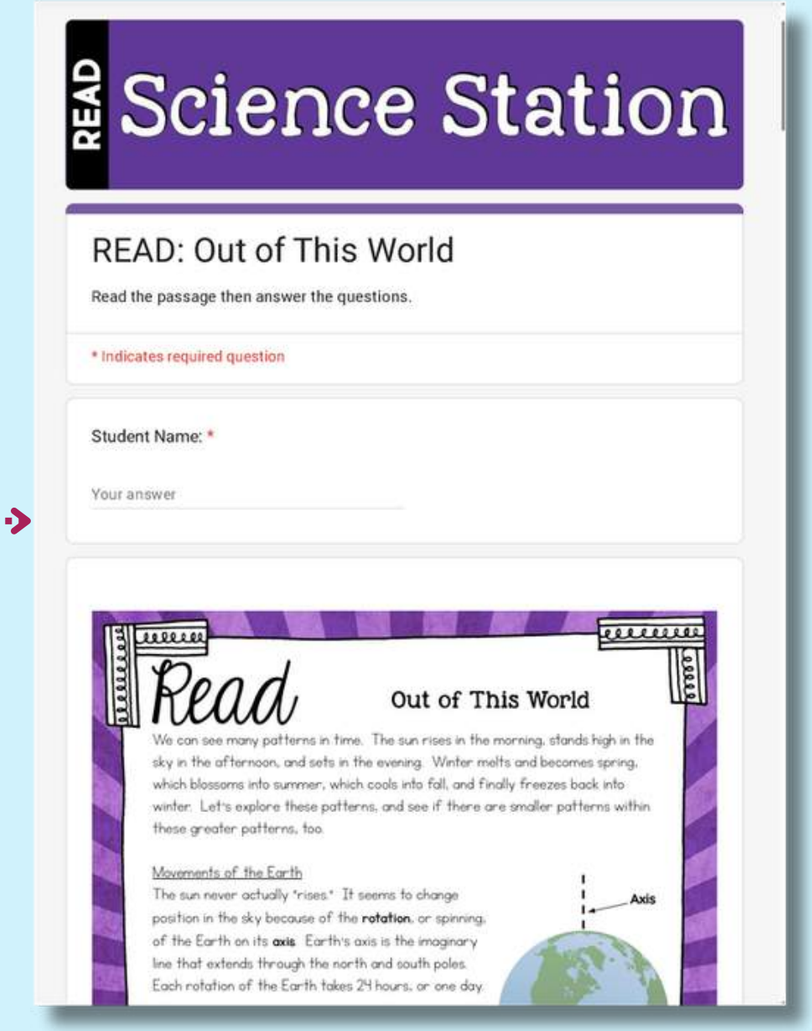
#2 Read Out of This World

How long does it take for the Earth to revolve around the sun?

a. About 365 days
b. About 24 hours
c. About 27 days
d. Abo[illegible] 60 minutes

DIGITAL VERSIONS





DIGITAL VERSIONS

- ✔ Google Sheet with Activity & Directions
- ✔ Google Form with Reading & Questions

Answer keys provided

ADD TO CART

YOU WILL LOVE THIS BECAUSE



Builds Science and Reading Skills

Students strengthen comprehension while learning important science concepts through informational text and targeted questions.



Aligns with NGSS and Reading Standards

Meets 5th-grade expectations for life science and nonfiction comprehension with questions that promote evidence-based responses.



Easy Differentiation Without Extra Prep

Strengthens science comprehension skills while reinforcing key physics and chemistry vocabulary and core conservation of mass concepts.

TEACHERS LOVE IT!

I used this during my Science lesson and my kids were able to understand the different phases of the moon easily.

Beyda T.

I really liked this resource. I would have liked for each reading topic to be on their own pages not as one continuous reading.

Mara M.





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to get more resources!

My passion is making learning accessible to all students.
I love scaffolding learning, breaking down the concepts and building them up so that students can see the connections.
I love figuring out the small components that build up to the big ideas and helping students see it all.



teach MATH | teach SCIENCE | teach READING | teach WRITING

What I have LEARNED