

Name: _____

WEEK AT A GLANCE, UNIT 1 WEEK 2

STORY: LIFE ON EARTH —AND BEYOND

ESSENTIAL QUESTION:

WHAT CAN SCIENTISTS
DISCOVER BY TRAVELING
TO DISTANT PLACES?

GENRE:

INFORMATIONAL
TEXT

COMPREHENSION:

INFERENCES/ANALYZING
TEXT FEATURES

WRITING:

NARRATIVE WRITING

LANGUAGE:

CLAUSES

GREEK ROOTS: CHRON, METER,
PHOTO, BIO, GEO, LOGY

SPELLING WORDS:

1. meteorology	11. symmetry
2. photocopy	12. geocentric
3. ecology	13. chronological
4. geometric	14. odometer
5. synchronize	15. chronic
6. parameter	16. photocell
7. chronology	17. biosphere
8. symbiotic	18. speedometer
9. photogenic	19. geology
10. geography	20. Photon

STORY VOCABULARY:

1. astrobiologists - scientists who study life in the universe
2. microbes - the smallest living things
3. colony - a group of animals living in one place
4. sensors - devices that detect changes in light, moisture, or other physical conditions
5. radiation - dangerous energy rays that cannot be seen
6. rovers - vehicles used to explore a planet's surface

Name: _____

Directions: Write your words using the color code.

Red, "write", and Blue

vowels



consonants



1.

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Name: _____ Date: _____

My View Literacy Grade: 5

1.2: Life on Earth-and Beyond

Directions- Use your reading book to fill in the blank with the correct vocabulary word.

1. Yet the Dry Valleys fascinate _____ like Chris McKay.
Pg. 53
2. Many rocks are honeycombed with little spaces, or pores, that seem like huge caverns to super-small creatures called _____. Pg. 56
3. A _____ of microbes was living in pores just under the surface.
Pg. 56
4. The _____ measured the light and moisture inside the rocks year-round. Pg 56
5. The atmosphere on Mars is too thin to block dangerous _____ from the sun. pg. 57
6. In January 2004 two robotic _____ landed on Mars. pg. 62

Directions- Unscramble the vocabulary words.

7. srsnoes _____
8. gstrboioaltoiss _____
9. vreors _____
10. eicrmobs _____
11. onlocy _____
12. oardainit _____

*Draw a picture to illustrate one of the vocabulary words on the back of this page.

Independent and Dependent Clauses

A related group of words with a subject and a predicate is called a clause. A clause that makes sense by itself is an **independent clause**. A clause that does not make sense by itself is a **dependent clause**. A complex sentence contains an independent and a dependent clause.

Independent Clause

Dependent Clause



Native Americans lived on the island *until they were attacked*.

- In the example sentence, *Native Americans lived on the island* could stand alone as a sentence, so it is an independent clause. The second clause (*until they were attacked*) cannot stand alone. It must be combined with an independent clause to make sense, so it is a dependent clause.
- If the dependent clause comes first, set it off with a comma: *Until they were attacked, Native Americans lived on the island*. If the independent clause is first, no comma is needed: *Native Americans lived on the island until they were attacked*.

Directions Write *I* after each independent clause. Write *D* after each dependent clause.

1. if you live on an island _____
2. the tides affect your life _____
3. the water level rises _____
4. when the tide comes in _____
5. much of the beach disappears under water _____
6. until the tide goes out _____

Directions Write sentences combining each pair of clauses from the first exercise. Use correct capitalization and punctuation.

7. (Clauses 1 and 2) _____

8. (Clauses 3 and 4) _____

9. (Clauses 5 and 6) _____

L.5.4B

I CAN USE COMMON, GRADE-APPROPRIATE GREEK AND LATIN AFFIXES AND ROOTS AS CLUES TO THE MEANING OF THE WORD.

	EXAMPLE	MEANING
CHRON		
METER		
PHOTO		
BIO		
GEO		
LOGY		

Greek Roots Quiz

Name: _____

- Which word has a Greek root meaning measure?
a. centimeter b. photograph c. geology d. biology
- Which word has a Greek root meaning study of?
a. geometry b. biology c. chronicle d. biopsy
- Which word has a Greek root meaning life?
a. photograph b. geography c. biography d. chronic
- What is the meaning of the root in the underlined word of this sentence?
My teacher needed to make a photocopy of the homework.
a. time b. light c. study of d. life
- What is the meaning of the root in the underlined word of this sentence?
We had to put the dates in chronological order.
a. time b. light c. study of d. life
- What is the meaning of the root in the underlined word of this sentence?
The geologist was so interesting when discussing different rocks.
a. time b. light c. life d. Earth
- Which word in the sentence below contains a Greek root?
My desk was less than twenty centimeters wide.
a. desk b. twenty c. centimeters d. wide
- Which word in the sentence below contains a Greek root?
My mom had to go to the drugstore to purchase a thermometer.
a. drugstore b. purchase c. thermometer d. none of these
- Which word below means “the study of life”?
a. biology b. geography c. chronic d. geology
- Which word below means “a paper copy of a document that uses light or heat”?
a. photosynthesis b. geologist c. photocopy d. thermal

Name _____

Word Study

Greek Roots

Words in English often come from words in other languages. For example, *meter* is a Greek root. Some other Greek roots include *chron*, *photo*, *bio*, and *geo*.

MY TURN Use the word and definition to determine the meaning of the underlined Greek root. Then write a sentence using the word.

1. Word: synchronize

Definition: to cause to occur at the same time or rate

Root Meaning: time

Emma and her friend tried to synchronize their watches.

2. Word: geological

Definition: relating to the study of Earth's physical structure and substance

Root Meaning: _____

3. Word: photosynthesis

Definition: the process by which plants use sunlight to make food out of water and carbon dioxide

Root Meaning: _____

Name _____

Spelling

Spell Words with Greek Roots

Many words in English include the common Greek roots *chron*, *meter*, *photo*, *bio*, and *geo*. Sometimes a letter is dropped from or added to the root to form the new word.

SPELLING WORDS

meteorology
photocopy
ecology
geometric
synchronize

parameter
chronology
symbiotic
photogenic
geography

symmetry
geocentric
chronological
odometer
chronic

photocell
biosphere
speedometer
geology
photon

MY TURN Alphabetize the words. Spell each word correctly.

- | | | | |
|----------|-----------|-----------|-----------|
| 1. _____ | 6. _____ | 11. _____ | 16. _____ |
| 2. _____ | 7. _____ | 12. _____ | 17. _____ |
| 3. _____ | 8. _____ | 13. _____ | 18. _____ |
| 4. _____ | 9. _____ | 14. _____ | 19. _____ |
| 5. _____ | 10. _____ | 15. _____ | 20. _____ |

MY TURN Use the words below to complete the definition. Spell correctly.

synchronize speedometer chronological biosphere
geography geology symmetry photogenic

- _____ is the study of Earth.
- A _____ is an instrument for measuring speed.
- The _____ is the part of Earth where life can exist.

Name _____

Language and Conventions

Independent and Dependent Clauses

A clause is a group of words that has a subject and a verb.

- Independent clauses can stand alone as sentences.
- Dependent clauses have a subject and a verb, but they cannot stand alone. They often begin with words such as *after, if, since, until, when, although, while, or because*.
- A sentence with an independent clause and a dependent clause is a complex sentence. If the dependent clause comes first, use a comma after it.

The nurse cleaned the cut on my knee after I fell off my bike.
After I fell off my bike, the nurse cleaned the cut on my knee.

My Turn Read the paragraph. For each complex sentence, circle the dependent clause, and underline the independent clause.

Although some mountain ranges were created by volcanic eruption, the Appalachian Mountains were formed by the collision of tectonic plates. The Appalachian Mountains are a mountain system located in eastern North America. Scientists estimate them to be between three hundred and five hundred million years old. Although the Appalachian Mountains are older than the Rocky Mountains, they are not taller. The Appalachian Mountains decreased in elevation over time due to the process of erosion. The Appalachian Mountains are rich in natural resources, such as coal.

My Turn Read the sentences below. Use the word in parentheses to rewrite each pair of sentences as one complex sentence.

1. I want to hike the Appalachian Trail. The landscape is beautiful. (because)

2. We have to wait until school is out. We will go hiking in summer. (since)

Unit 1 Independent Reading Log

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Reading Time	Title and Author	What's it about?	How would you rate it?	Explain your rating.
<p>Monday</p> <p>From _____ to _____</p>			<p>Great 5</p> <p>4 3</p> <p>2 1</p>	
<p>Tuesday</p> <p>From _____ to _____</p>			<p>Great 5</p> <p>4 3</p> <p>2 1</p>	
<p>Wednesday</p> <p>From _____ to _____</p>			<p>Great 5</p> <p>4 3</p> <p>2 1</p>	
<p>Thursday</p> <p>From _____ to _____</p>			<p>Great 5</p> <p>4 3</p> <p>2 1</p>	
<p>Friday</p> <p>From _____ to _____</p>			<p>Great 5</p> <p>4 3</p> <p>2 1</p>	

Name _____

Unit 1 Independent Reading Log

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Reading Time	Title and Author	What is it about?	How would you rate it?	Explain your rating.
Monday From _____ to _____			Great 5 4 3 2 1 Awful	
Tuesday From _____ to _____			Great 5 4 3 2 1 Awful	
Wednesday From _____ to _____			Great 5 4 3 2 1 Awful	
Thursday From _____ to _____			Great 5 4 3 2 1 Awful	
Friday From _____ to _____			Great 5 4 3 2 1 Awful	