UHIT 9: LIF€, LICHT, \$ LQV€ PREPERENCE PROPERTY PROPERTY



Root Word	Meaning	Origin	
bio	life	Greek	
photo	light	Greek	
phil	love	Greek	



biology

(n) - a science that deals with things that are alive, such as plants and animals; the study of life

I have learned so much about living things in my biology class.

biodegradable (adj) - capable of being slowly destroyed and broken down into very small parts by natural processes, bacteria, etc.

> Most paper goods are biodegradable and can be broken down by living things called decomposers.

biography

(n) - the story of a real person's life written by someone other than that person I will write a **biography** about Abraham Lincoln because I know so many fascinating details about his life.

photography

(n) - the art, process, or job of taking pictures with a camera; named after the original process that used light to expose an image on special paper Before digital cameras, photography required artists to develop their prints in dark rooms that prevented light from ruining their pictures.

photosynthesis

(n) - the process by which a green plant turns water and carbon dioxide into food when the plant is exposed to light Photosynthesis within a plant can only occur in the presence of light.

photon

(n) - a tiny particle of light or electromagnetic radiation All light is made up of **photons**, which are so small that you cannot seem them individually.

Philadelphia

(n) - a US city founded by William Penn, a Quaker who believed in peace The literal translation of **Philadelphia** is "the city of brotherly love."

philanthropist

(n) - a wealthy person who gives money and time to help make life better for other people

Steven was a philanthropist who cared deeply about homeless children; he held many fundraisers and donated a lot of money to help them.

philosophy

(n) - the study of ideas about knowledge, truth, the nature and meaning of life; your personal beliefs or opinions related to life My **philosophy** is that you must always treat others with love and respect.

bibliophile

(n) - a person who loves or collects books

It's pretty evident from my huge library that I am a **bibliophile**.

A: SENTENCE COMPLETION REPREDERREPREDERREPREDERRE

DIRECTIONS: Complete the following sentences with the correct word from your list. Each word will be used only once.



biology
biodegradable
biography
photography
photosynthesis
photons
Philadelphia
philanthropist
philosophy
bibliophile

1.	1. The founder ofwas	s strongly opposed to violence.
2.	2. You can read about Eleanor Roosevelt's	s life in a
3.	3. In order forto occudioxide, and water.	ur, there must be light, carbon
4.	4. Inclass we learned survive in the world.	d about how animals adapt to
5.	5. William Penn'sabc a peaceful and gentle leader.	out war and weapons made him
6.	6are all around us a can't see them individually because the	
7.	7. The earthworms and bacteria in the corourtrash.	mpost pile are breaking down
8.	Mai's heart is full of love, which is why sh donating much of her time and money	
9.	9. I am such athat I d	could live in a library.
10.	Ddepends on light t	to capture images.

DIRECTIONS: Respond to the following statements by circling "Yes" or "No."

- 1. Yes No A philanthropist is stingy and greedy.
- 2. Yes No You can't see photons.
- 3. Yes No Biology is the study of rocks and minerals.
- 4. Yes No If you are a bibliophile you probably like to read.
- 5. **Yes No** A **biography** is considered fiction.
- 6. Yes No Light is an important factor in photography.
- 7. Yes No If something is biodegradable it can harm plants and animals.
- 8. Yes No People can have different philosophies.
- 9. Yes No Photosynthesis only takes place at night.
- 10. Yes No Philadelphia's founder believed in peace and love.

DIRECTIONS: Choose two words that BEST explain or define the bold root word.

1. biology

a. plants

3. biography

a. magic

4. photography

2. biodegradable

5. photosynthesis

6. photon

7. Philadelphia

8. philanthropist

9. philosophy

10. bibliophile

a. forever

a. pictures a. food

a. large

a. war

a. needy

a. beliefs

a. books

b. animals

b. disappears

b. life

b. camera

b. light

b. tiny b. love

b. generous b. values

b. videos

c. gravity

c. dissolves

c. events

c. painting

c. metal

c. visible

c. city

c. selfish

c. contract

c. electronics

d. reckless

d. guns

d. helpful

d. reading

d. planets d. harmful

d. fantasy

d. clay

d. rocks

d. numerous

DIRECTIONS: Circle the analogy that BEST matches the bold words.

1. PAPER: BIODEGRADABLE

a) cold: ice b) fire: hot

c) plants: animals

d) break: down

2. PHOTON: LIGHT

a) small: invisible b) molecule: visible

c) home: kitchen

d) page: book

3. PHILOSOPHY: IDEAS

a) neighborhood: homes

b) states: county c) truth: knowledge

d) love: hope

2. PHOTOSYNTHESIS: FOOD

a) water: light

b) artist: paintings c) flowers: leaves

d) bread: baker

5. BIOLOGY: SCIENCE

a) dessert: cake

b) life: study

c) cat: pet d) plants: water

a) athlete: trains b) library: books

6. BIBLIOPHILE: READS

c) pages: words

d) cooks: chef

3. BIOGRAPHY: FICTION

a) car: vehicle b) life: person

c) events: important

d) novel: nonfiction

4. PHILANTHROPIST: GIVES

a) heals: doctor

b) donates: money

c) helps: poor

d) firefighter: rescues

8. PHILADELPHIA: PENNSYLVANIA

a) California: Sacramento

b) Quaker: William Penn

c) brain: head

d) brotherly: love

10. PHOTOGRAPHY: ART

a) flower: rose

b) fern: plant c) car: camry

d) photos: paintings



vna2

♦€: TIM€ T♦ €XPLQR€ यथयथथथथथथथथथथथथथथथथथथथथथथ

DIRECTIONS: Sort the words from this lesson into the table below. Then find additional words with the same roots and place them in the appropriate columns/rows.

root	verb	noun	adjective	adverb
bio				
photo				
phil				

9F:	APPLY	WHAT YOU	KHOW	

DIRECTIONS: Answer the questions below.

1. How are photosynthesis and biology related?

2. If you were a philanthropist what cause would you support? Why?

3. How does the name Philadelphia relate to William Penn?

4. What's one of your personal philosophies?

5. Who would you write a biography about ? Why?

PRINCE UNIT 9: WORD & DEFINITION MATCH PRINCE

DIRECTIONS: Cut out the pieces below and match the words with the correct definitions.

biography	a tiny particle of light or electromagnetic radiation	
photosynthesis	a person who loves or collects books	
biology	the study of ideas about knowledge, truth, the nature and meaning of life; your personal beliefs or opinions related to life	
photon	the art, process, or job of taking pictures with a camera; named after the original process that used light to expose an image on special paper	
Philadelphia	capable of being slowly destroyed and broken down into very small parts by natural processes, bacteria, etc.	
photography	a wealthy person who gives money and time to help make life better for other people	
biodegradable	a US city founded by William Penn, a Quaker who believed in peace	
philanthropist the story of a real person's life written by someone other than the person		
philosophy the process by which a green plant turns water and carbon into food when the plant is exposed to light		
bibliophile	a science that deals with things that are alive, such as plants and animals; the study of life	