

## UNIT 9: LIFE, LIGHT, & LOVE



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 see 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 fund raisers 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.*

## 9A: SENTENCE COMPLETION

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. The founder of \_\_\_\_\_ was strongly opposed to violence.
2. You can read about Eleanor Roosevelt's life in a \_\_\_\_\_.
3. In order for \_\_\_\_\_ to occur, there must be light, carbon dioxide, and water.
4. In \_\_\_\_\_ class we learned about how animals adapt to survive in the world.
5. William Penn's \_\_\_\_\_ about war and weapons made him a peaceful and gentle leader.
6. \_\_\_\_\_ are all around us anytime there is light, but you can't see them individually because they are so small.
7. The earthworms and bacteria in the compost pile are breaking down our \_\_\_\_\_ trash.
8. Mai's heart is full of love, which is why she is a \_\_\_\_\_ donating much of her time and money to people in need.
9. I am such a \_\_\_\_\_ that I could live in a library.
10. \_\_\_\_\_ depends on light to capture images.

## 9B: YES or NO?

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.