MARSON STHEROOTS -BIO-AND -VIT-



The English language is filled with words that have something to do with life. The roots -bio- and -vit- both come from words meaning "life." The root -bio- comes from the Greek word bios, and the root -vit- comes from the Latin word vita. The words biology and vitamin are derived from these roots. Biology is the study of living things, and vitamins are organic compounds necessary for maintaining normal life functions. In this lesson, you will learn other words that are related to life.

antibiotic biopsy biosphere devitalize microbe symbiosis viable vitality vivacious vivid

After you have studied the definitions and example for each word, write the vocabulary word in the blank to the right.

bacteria, or ot bacteria that c	'ti-bī-ŏt'ĭk) <i>noun</i> A substance produced by certain fungi, her organisms. This substance stops the growth of harmful an cause illness. <i>adjective</i> Of, using, or acting as an om the Greek <i>anti-</i> , meaning "against," and <i>bios</i> , meaning	1.
Example	Penicillin is an effective <i>antibiotic</i> that is used against such infections as pneumonia.	
examination o	sē) <i>noun</i> a. The removal of tissue from a living person for r study. b. The study of such tissue. (From the Greek d <i>opsis</i> , meaning "a sight")	2.
Example	Hoping to identify the patient's disease, the doctor performed a biopsy.	
3. biosphere (bī'	ə-sfîr') noun The part of Earth and its atmosphere in	3

meaning "sphere") Example Plants, animals, and human beings inhabit the biosphere.

which living things exist. (From the Greek words bios and sphaira,

4. devitalize (dē-vīt'l-īz') verb To lower or destroy the physical energy or vigor of someone or something. (From the Latin de-, meaning "from," and vita, meaning "life")

Example A bad case of the flu *devitalized* Betsy for two weeks.

MEMORY CUE: Someone who is devitalized is lacking vitality or energy.

	5. microbe (mī' microscope; a and bios)	krōb') <i>noun</i> A tiny life form that can be seen only through a germ. (From the Greek words <i>mikros</i> , meaning "small,"	5	7.3		
	Example	Through years of study, scientists have discovered that <i>microbes</i> cause many diseases.				
,	two or more o	m'bē-ō'sĭs) <i>noun</i> A close, beneficial relationship between organisms. These organisms often, but not always, benefit com the Greek <i>syn-</i> , meaning "together," and <i>bios</i>)	6	-		
	Related Word Example	symbiotic adjective An alga and a fungus live together in beneficial symbiosis to create a plant called lichen.				
7	develop under	a. Capable of continuing to live, grow, or favorable conditions. b. Capable of working successfully a viable plan. (From the Latin word vita, meaning "life")	7			A CONTRACTOR OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAM
	Related Word Example	when seeds from an ancient tomb were planted, they were found to be <i>viable</i> .				
8.	vitality (vī-tăl' quality that dis word vitalis, m	Y-tē) <i>noun</i> a. Physical or mental energy; vigor. b. The stinguishes the living from the nonliving. (From the Latin eaning "alive")	8			
	Related Word Example	vital adjective Uncle Bob, who exercises two hours a day, is bursting with vitality.				
9.	vivacious (vĭ-v word vivere, me	ā'shəs) adjective Full of spirit; lively. (From the Latin caning "to live")	9			
	Related Words Example	vivaciously adverb; vivacity noun For Melanie and her vivacious party guests, there was always something to celebrate.				
10.	vivid (vĭv'ĭd) aa lifelike images v "to live")	djective a. Bright, distinct, and intense. b. Creating within the mind. (From the Latin word <i>vivere</i> , meaning	10	 J.X	`	
	Related Words Example	vividly adverb; vividness noun Stan marveled at the vivid colors of the parrots in			2	

the zoo.

NAME	DAT	
EXERGISE MATCHING WORDS AND DEFINITIONS		
Match the definition in Column B with the word in Column A. Write the letter of the correct definition on the answer line. Column B Column B	1	
	3.	
 symbiosis vivid to lower the physical energy of 	4	
3. devitalize c. the removal of living tissue for study	5.	
4. biopsy5. vivaciousd. bright and intensee. tiny life form	6.	
6. microbe f. physical or mental energy	7.	The second state of the second
7. antibiotic g. the part of Earth and the atmosphere in which	8.	
8. viable living things exist 9. biosphere h. substance used to destroy or stop growth of	9.	المحمد المحم
10. vitality microorganisms	10.	and the last for some depression to the state of the same of the s
i. able to live or develop under favorable		
conditions j. the relationship of organisms living closely		the state of the s
together	Street, Street,	
(E) HREISE USING WORDS CORRECTLY		
Each of the following questions contains an italicized vocabulary word. Decide the answer to the question, and write <i>Yes</i> or <i>No</i> on the answer line.		
1. Does an antibiotic promote the growth of bacteria?	1.	والقراق والمراوا والم
2. Could a biopsy aid a doctor in the diagnosis of disease?	2.	
3. Does the sun form part of the <i>biosphere?</i>	3.	THE COLUMN STREET SHOWS AND ASSESSMENT OF SHEET STREET, SHOW A STREET SHOWS AND ASSESSMENT OF THE SHEET
4. Would a runner be devitalized after a twenty-six mile run?	4.	
5. Is a <i>microbe</i> a large organism that destroys bacteria?	5.	
6. Is there more than one organism involved in <i>symbiosis</i> ?	6.	
7. Can a plan that will not work be described as viable?	7.	
8. Does two hours of aerobic exercise require great vitality?	8.	
9. Would a <i>vivacious</i> spectator sit quietly in the stands during an exciting baseball game?	9	
10. Is gray considered a <i>vivid</i> color?	10.	
	1	
		to permits from some labels only past and deat subblished operator to diships any over the board decrease suprises. Photos
PARKED CHOOSING THE BEST WORD	<u> </u>	
Decide which vocabulary word or related form best completes the sentence, and write the letter of your choice on the answer line.		
When Harold was very ill, the doctor gave him a(n) to fight the	1	
infection.	the density of Law	- All Advisory and the State of
a. antibiotic b. symbiosis c. microbe d. biopsy	:	

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Z. Janet's energetic lifestyle reflected her great a. biosphere b. vividness c. symbiosis d. vitality	2	_/
3. The area of Earth called the allows the growth of living things. a. symbiosis b. biosphere c. antibiotic d. microbe	3	-
4. The runner was by thirst during the last mile of the race.a. made viable b. made vivid c. made vivacious d. devitalized	4	
5. The scientists discovered a harmfula. antibiotic b. symbiosis c. microbe d. biosphere	5	
 6. The term can be used to describe a close, beneficial relationship between two or more organisms. a. biopsy b. symbiosis c. biosphere d. microbe 	6	
7. Doctors said that the patient's skin graft was a. vivacious b. vivid c. symbiotic d. viable	7	
8. The doctor ordered a(n) to help her in diagnosing the illness. a. biopsy b. microbe c. symbiotic d. viable	8	
The young artist talked animatedly with every gallery owner at the party.	9	
 a. viable b. devitalized c. vivacious d. antibiotic 10. The novelist presented a(n) picture of life in a frontier society. a. viable b. antibiotic c. symbiotic d. vivid 	10.	
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EXERCISE 4: USING DIFFERENT FORMS OF WORDS		,
Decide which form of the italicized vocabulary word best completes the sentence. The form given may be correct. Write your answer on the answer line.		
1. The physician studied a report on the patient's (biopsy)	1	
2. The tour guide waved from the front seat of the bus. (vivacious)	2	
3. Reaching the top of the mountain, the group gave a weak cheer. (devitalize)	3	
4. The Olympic champion described the moment when she won a gold medal. (<i>vivid</i>)	4.	
5. The doctor decided to treat Ann's strep throat with an (antibiotic)	5	
6. The Portuguese man-of-war has a relationship with small fish that live among its tentacles. (<i>symbiosis</i>)	6	
7. Looking through the microscope, the scientist inspected the many (microbe)	7.	
8. The use of pesticides resulted in a decrease in the of the eagles' eggs. (viable)	8	
9 Most viewan an avend by the	9	
Most viewers are awed by the of Vincent Van Gogh's paintings. (vivid)	,	
 9. Most viewers are awed by the of Vincent Van Gogh's paintings. (vivid) 10. "All of the patient's signs are good," the nurse told Dr. Freedman. (vitality) 	10	, minima and management and manageme

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