



# Science **Quarter 1- LIVING THINGS**

**Module 2: Effects of Lifestyle** in the Function of Respiratory and Circulatory System



Science - Grade 9

Alternative Delivery Mode Quarter 1: Living Things

Module 2: Effects of Lifestyle in the Function of Respiratory and Circulatory System

First Edition, 2020

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# Science Quarter 1- LIVING THINGS

Module 2: Effects of Lifestyle in the Function of Respiratory and Circulatory System



# **Introductory Message**

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are carefully stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-bystep as you discover and understand the lesson prepared for you.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you if you need to proceed on completing this module or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teacher are also provided to our facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. And read the instructions carefully before performing each task.

If you have any questions in using this SLM or any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator.

Thank you.



# What I Need to Know

This module was designed and written with you in mind. It is here to help you master the Effects of Lifestyle in the Function of Respiratory and Circulatory System. The scope of this module permits it to be used in many different learning situations. The language used recognizes the diverse vocabulary level of students. The lessons are arranged to follow the standard sequence of the course. But the order in which you read them can be changed to correspond with the textbook you are now using.

The module focuses on achieving this learning competency:

# Infer how one's lifestyle can affect the functioning of respiratory and circulatory systems - (S9LT-Ic -27)

After going through this module, you are expected to:

- 1. identify the effects of lifestyle to the respiratory and circulatory system;
- 2. infer how one's lifestyle can affect the functions of respiratory and circulatory systems;
- 3. infer how to detect and prevent diseases in the circulatory system and respiratory system;
- 4. create an infographic on effective ways of taking care of the respiratory and circulatory system.



## What I Know

Multiple Choices. Choose the letter of the best answer. Write your answer on a separate sheet of paper.

- 1. Smoking is the common cause of emphysema. What happens when you have emphysema?
  - a. The blood in your lungs becomes oxygenated
  - b. The amount of oxygen in your blood increases
  - c. The blood pressure in your pulmonary artery decreases
  - d. The amount of oxygen in your bloodstream ultimately decreases
- 2. What disease does not usually include shortness of breath as a symptom?
  - a. Asthma
  - b. Chronic Bronchitis
  - c. Common Colds
  - d. Emphysema
- 3. What type of activity helps strengthen our lungs, muscles, and makes our heart more efficient?
  - a. Eating
  - b. Exercising
  - c. Sleeping
  - d. Smoking
- 4. What is this disease that stimulates the increased secretion of mucus due to an irritant reaching the bronchi and bronchioles?
  - a. Asthma
  - b. Bronchitis
  - c. Emphysema
  - d. Pneumonia
- 5. Who are you going to consult if you are having a difficulty in breathing?
  - a. A Cardiologist
  - b. A Urologist
  - c. A Neurologist
  - d. A Pulmonologist
- 6. What occurs when the blood supply to a part of your brain is interrupted due to an abrupt blockage of arteries?
  - a. Anemia
  - b. Heart attack
  - c. Heart failure
  - d. Stroke

- 7. Which practice may weaken our circulatory system?
  - a. Having a daily exercise
  - b. Staying up late at night
  - c. Taking vitamins every day
  - d. Avoiding vices like smoking
- 8. Why do most people like to eat fast foods, rather than eating healthy foods?
  - a. Because they are ready to eat
  - b. Because they taste better than fruits and vegetables
  - c. Because they are less expensive than fruits and vegetables
  - d. Because they look more delicious than fruits and vegetables
- 9. What is being described in this situation: a common, continuing respiratory condition that causes difficulty breathing due to inflammation of the airways?
  - a. Asthma
  - b. Bronchitis
  - c. Hypertension
  - d. Stroke
- 10. What is being described in this situation: it makes the arteries hard caused by high consumption of a fatty diet that leaves fat deposits on the lining of the blood vessels.
  - a. Atherosclerosis
  - b. Hypertension
  - c. Pneumonia
  - d. Stroke
- 11. What are the common symptoms of Covid-19?
  - a. Fast heartbeat and sweating
  - b. Fever, dry cough, and tiredness
  - c. Aching sensation of neck and jaw
  - d. Weight loss, chest pain, and coughing up blood
- 12. What are the causes of Pneumonia?
  - a. Allergies
  - b. Dust and smoke
  - c. Weather condition
  - d. Bacteria, viruses, and fungi
- 13. Which is the cause Anemia?
  - a. Blood Clot
  - b. Hemorrhage
  - c. High Blood Pressure
  - d. Lack of red blood cells

Circulatory System:
Unhealthy Lifestyle:

# Lesson Effects of Lifestyle in the Function of Respiratory and **Circulatory System**

In Module 1, you have learned the parts and functions of the Respiratory and Circulatory Systems. In this module, you will be dealing with ways of detecting and preventing diseases, inform yourselves about the risks of cigarette smoking, and conduct information dissemination of this topic to other people most especially to your loved ones.

Here are some key questions for you to ponder after finishing this module:

- 1. What are the effects of lifestyle in the function of the respiratory and circulatory systems?
- 2. What are the ways to detect and prevent diseases of the respiratory and circulatory systems?
- 3. How does one's lifestyle affect the function of respiratory and circulatory systems?
- 4. How can we effectively inform and encourage the public regarding the detection and prevention of respiratory and circulatory related diseases?

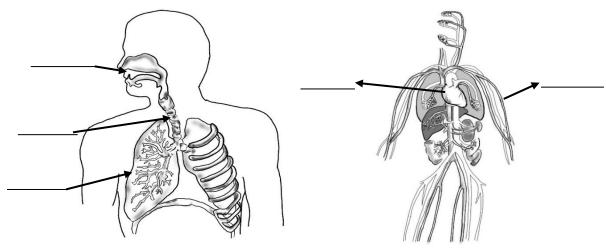


## What's In

Let us recall the concepts learned from the previous module by answering the following questions:

- What are the primary functions of the respiratory and circulatory systems?
- What are the parts of the respiratory system?
- How about the circulatory system?

Name the parts by labeling the illustration below. Use a separate sheet of paper for your answers.



Source: DepEd BLR Illustrations

Source: DepEd BLR Illustrations



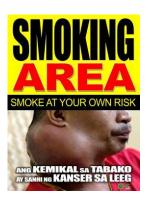
This module shows you how to detect, treat and prevent the diseases of the Respiratory and Circulatory System.











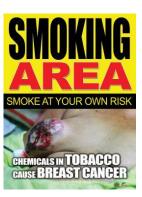


Figure 1. No Tobacco Smoking Campaign by the Department of Health (DOH) Source 1: https://www.doh.gov.ph/Health-Promotion/no-tobacco-smoking-campaign

Are you familiar with the posters shown above? Do you know how we can acquire the diseases?



# DISEASES OF THE RESPIRATORY SYSTEM

Diseases	Causes	Symptoms	Treatment/Prevention
Asthma	(Not exactly the causes but triggers) Allergies Smoking Weather	Coughing Wheezing Chest Pain Shortness of breath Trouble Sleeping	Prevention: Avoid asthma triggers Get vaccinated for influenza and Pneumonia Treatment: Asthma Inhalers Nebulizer
Chronic Obstructive Pulmonary Disease	Cigarette Smoking Emphysema Bronchitis	Shortness of breath Wheezing Chest tightness Cough with sputum	Prevention: Do not smoke/quit smoking Treatment: Medication Lung therapy Bronchodilators
Chronic Bronchitis	Cigarette Smoking Dust Smoke from burning coal Air pollution	Cough with sputum Wheezing Tight chest Shortness of breath	Prevention: Do not smoke/Quit smoking Treatment: Bronchodilators Surgical Procedures
Emphysema	Cigarette Smoking Air Pollution Chemical fumes Dust	Frequent coughing and wheezing Shortness of breath	Prevention: Do not smoke/Quit smoking Avoid secondhand smoking Treatment: Medications Lung therapy Surgical Procedures
Lung Cancer	Cigarette Smoking Secondhand smoke Gene changes	Cough that does not go away Coughing up blood Shortness of breath Chest pain Headache Hoarseness	Prevention: Do not smoke/Quit smoking Avoid secondhand smoke Treatment: Surgery Chemotherapy Radiotherapy
Tuberculosis	Bacteria called Mycobacterium	Cough that lasts for more than 3 weeks Chills and Fever Weight loss Chest pain Coughing up blood	Prevention: Physical distancing Good ventilation Good hygiene Treatment: Medication
Pneumonia	Bacteria Fungi Viruses (including SARS-CoV, MERs- CoV, and recently SARS-CoV-2)	Chest pain Cough with phlegm Fatigue Chills and Fever Shortness of breath Nausea Vomiting	Prevention: Get vaccinated Good hygiene Do not smoke Cure: If bacteria, Antibiotics If viral, Rest with lots of fluid intake

Coronavirus Disease	Severe Acute	Most common	Prevention:
(COVID-19)	Respiratory	symptoms are:	Wash your hands regularly
	Syndrome	Fever	Maintain physical distancing
	Coronavirus 2 (SARS-	Dry cough	Avoid touching your face
	CoV-2)	Tiredness	Cover your mouth when
			coughing and sneezing
		Less common	Avoid smoking
		symptoms are:	Wear face mask
		Aches and pains	STAY AT HOME
		Sore throat	
		Diarrhea	
		Conjunctivitis (pink	
		eye)	
		Headache	
		Loss of taste and	
		smell	
		Rashes	
		Serious symptoms:	
		Difficulty in	
		breathing	
		Chest pain	
		Loss of speech and	
		movement	

#### 1. Asthma

- a common, continuing respiratory condition that causes difficulty breathing due to inflammation of the airways.

#### 2. Chronic Obstructive Pulmonary Disease (COPD)

- the development of sputum makes the infected suffer from difficulty in breathing.

#### 3. Chronic bronchitis

- a disease that makes the bronchial tubes swell.

#### 4. Emphysema

- another form of COPD that causes damage to the air sacs in the lungs or alveoli.

#### 5. Lung Cancer

- bumps are shaped in the lungs that cause cancer.

#### 6. Tuberculosis

- mycobacterium targets the lungs and damages the other parts of the body.

#### 7. Pneumonia

- the swelling of alveoli is caused by bacteria, virus, or fungi.

#### 8. Coronavirus Disease (COVID-19)

- this new disease comes from a type of coronavirus named SARS-CoV-2. Symptoms show up to 14 days. Some are asymptomatic that no symptoms show, but they are already infected and can spread the virus if not in isolation.

# **DISEASES OF THE CIRCULATORY SYSTEM**

DISEASES OF THE CIRCULATORI SISTEM				
Diseases	Causes	Symptoms	Treatment/Prevention	
Arteriosclerosis/Atherosclerosis	High Blood Pressure High Cholesterol Cigarette Smoking	Chest pain Transient ischemic attack Kidney failure	Prevention: Do not smoke/quit smoking Exercise regularly Eating healthy foods Treatment: Medication Surgical procedures	
Heart Attack	Blocked arteries Coronary artery disease	Pressure in the chest Aching sensation that spreads to neck or jaw Cold Sweat Fatigue Shortness of breath Nausea	Prevention: Medication Exercise regularly Eating healthy foods Treatment: Medication Surgical procedures Cardiac rehabilitation	
Myocardial Ischemia	Blood Clot Atherosclerosis Coronary artery spasm	Neck or jaw pain Shoulder or arm pain Fast heartbeat Nausea and vomiting Sweating Fatigue	Prevention: Do not smoke/quit smoking Exercise regularly Eat healthy foods Treatment: Medication Procedure to improve blood flow	
Heart Failure	Faulty heart valves Hypertension Abnormal heart rhythms Chronic diseases such as diabetes and AIDS	Shortness of breath Fatigue Rapid or irregular heartbeat Increased urination Chest pain Lack of appetite and nausea	Prevention: Do not smoke/quit smoking Exercise regularly Eating healthy foods Treatment: Medication Surgical procedures	
Stroke	Uncontrolled hypertension Trauma from accident Hemorrhage	Trouble speaking Paralysis Headache Trouble walking	Prevention: Control hypertension Do not smoke/quit smoking Exercise regularly Eating healthy foods Treatment: Medication	
High Blood Pressure (Hypertension)	Kidney problems Adrenal gland tumors Illegal drugs	Most people do not have any symptom, but few people may have: Headache Shortness of breath Nosebleeds	Prevention and Treatment: Do not smoke/quit smoking Exercise regularly Eat healthy foods	

Anemia	Your body does not make enough red blood cell Your body destroys red blood cell	Fatigue Pale skin Shortness of breath Dizziness Chest pain	Prevention: Eat iron-rich food Take vitamins B-12 and C Eat healthy foods Treatment: Medication Blood transfusion
High Cholesterol	Too much consumption of foods high in bad cholesterol	Usually has no symptoms	Prevention: Do not smoke/quit smoking Exercise regularly Eat healthy foods

#### 1. Atherosclerosis/Arteriosclerosis

- makes the arteries hard caused by high consumption of a fatty diet that leaves fat deposits on the lining of the blood vessels. These fat deposits make the arteries rigid.

#### 2. Heart Attack

- is caused when the heart is blocked from blood supply due to a blood clot.

#### 3. Myocardial ischemia

- the buildup of fat deposits congests the blood flow to the heart.

#### 4. High cholesterol

- cholesterol-rich food excessive consumption may lead to hypertension.

#### 5. Heart Failure

- the unstable behavior of the heart cannot pump sufficient blood for the body's needs.

#### 6. Stroke

- can happen if a vessel that supplies blood to the brain either becomes blocked by a blood clot or bursts. These stop blood flow and prevent oxygen from getting to the brain.

#### 7. High Blood Pressure (Hypertension)

- the elevation of blood pressure in the vessels gets too high that it can trigger other diseases.

#### 8. Anemia

- the insufficient supply of red blood cells in the blood can make you feel easily tired.

# Prevention is better than Cure!

# Healthy? Or Unhealthy?



Figure 2. A girl choosing between healthy and unhealthy food

Which do you prefer? Fresh apple or a quarter pound of Burger with cheese? A banana or an ice cream cone?

What do you want to do? To exercise or to slack off and watch movies all day? When do you want to sleep? At 9 PM or at 2AM?

Whatever you do, you must always think that you are compromising your health.

Here are the effects of lifestyles instigated diseases that affect your respiratory and circulatory system.

#### 1. Cigarette Smoking

Why is it dangerous? It comprises a lot of substances that are hurtful to both the smoker and the individuals around the smoker. It compromises both the respiratory and circulatory framework and even the entire body!

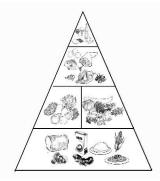


Cigarette smoking can cause respiratory illnesses by harming the parts of your respiratory system. It is increasingly regular for cigarette smokers to have lung illnesses than non-smokers.

Cigarette smoking additionally represents a more serious hazard for ailments that influences the circulatory system. It is the reason behind numerous sorts of circulatory ailments, for example: stroke, hypertension, and iron deficiency.

#### 2. Healthy Diet





A healthy dieting routine does not mean you simply need to eat berries and greens but also other kinds of foods. Eating a well-balanced diet can help prevent you from having diseases. Your go-to guide on what's optimal to eat is the food pyramid. Remember: You are what you eat!

#### 3. Regular Exercise and Adequate Rest





Keeping your body active can help your respiratory and circulatory system strong. As per the Centers for Disease Control and Prevention's (CDC) suggestion, at least 150 minutes of exercise each week improves the prevention of diseases.

#### 4. Proper Hygiene

Washing your hands appropriately for 20 seconds, particularly in the wake of wheezing, coughing, or cleaning out your nose, assists with shielding you and others from ailments, such as colds and influenza. Protect yourself by wearing a protective mask. This is very important especially this time that we are confronting a pandemic.

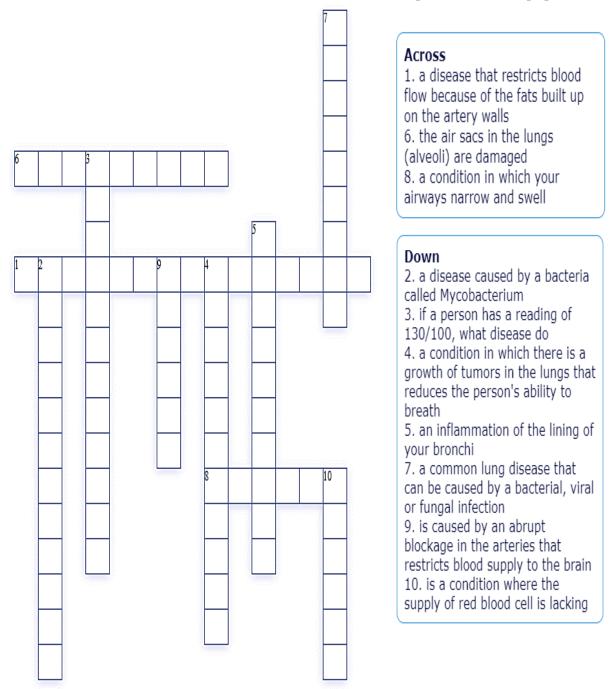






# Activity 1. Crossword Puzzle (Effects of Lifestyle to the Respiratory and Circulatory System)

Answer the questions below and complete the puzzle. Write your answers in a separate sheet of paper



#### Activity 2. Guess the Word!

Fill in the missing letters to complete the name of the disease caused by unhealthy lifestyles as depicted in each set of pictures. Add two practices that can prevent the disease. Write your answers in a separate sheet of paper.



Hint: this is a common respiratory disease

Practices:

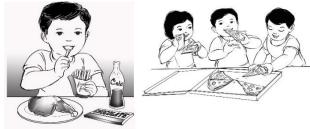




Source: DepEd BLR Illustrations

Hint: this is also called High Blood Pressure

Practices:



Source: DepEd BLR Illustrations



Hint: this is due to the lack of red blood cell

Practices:





Source:  $DepEd\ BLR\ Illustrations$ 



Hint: this is due to the blood clot in a vessel going to the brain

Practices:





Source: DepEd BLR Illustrations

5. <b>C</b> _ <b>V</b> _ <b>D9</b>	
Hint: this is due to the recently discovered coronavirus	
Practices:	No social distancing
	Source: DepEd BLR Illustrations

#### Activity 3. Gibberish challenge.

Gibberish is a form of nonsense speech. Below are concepts discussed in our lessons for this module. Identify each using the gibberish as your clue. Write 2 words that would best describe the gibberish term discovered. Write your answers in a separate sheet of paper.

1. As ma	=	&
2. High per tense shown		
3. Art at axe		
4. Straw oak		
5. Crown ink brown kite th	nis	
6. Hen pie see mwah	_ =	_ &
	_ =	_ &
7. High cool less tar role	_ =	_ &
8. New moon yeah	_ =	_ &
9. Exert size	=	8r.
10. See car rent		_ ~
	=	&

## **Activity 4. Information Dissemination.**

You are going to make an infographic showing how to take care of the respiratory and circulatory systems. You can draw/write or print the infographic and attach it on this module.

Ouiteuie	E	A d: 1-1- / Ot	M
Criteria	Exceptional / 10 pts	Admirable / 8 pts	Marginal / 4 pts
Content (Creativity and	Tonic is focused with a	Tonic is focused and	Little or no focus of the

Criteria	Exceptional / 10 pts	Admirable / 8 pts	Marginal / 4 pts
Content (Creativity and	Topic is focused, with a	Topic is focused, and	Little or no focus of the
Originality)	clear, engaging story.	most of the data is	topic, with no clear
	All data is relevant and	relevant, if not	story. Data is missing
	conveys meaningful	especially compelling.	or irrelevant.
	information to the	Data may not paint a	
	viewer. The data tells	complete informational	
	the full story and does	picture of the topic.	
	not leave out major		
	information.		
Layout	Layout shows clear	Mostly clear and	Confusing layout
	organization and	organized but may be	and/or data. Little use
	creates an easy-to-	confusing in spots.	of color or graphics to
	follow and easy to read	Some use of graphics	guide the reader.
	storyline. Excellent use	and color to help guide the reader.	
	of graphics and color to help guide the reader.	the reader.	
Visual Appeal	Eye-catching and	Good use of graphics,	Poor use of graphics,
Visuai Appeai	effective use of	color and fonts. Most	color and/or fonts.
	graphics, color, and	elements add to the	Visually distracting
	fonts. All elements	overall theme and	may use too many
	work together to	story. Visuals are good,	colors or fonts.
	reinforce the data and	but there may be an	Graphics merely
	story, without being	over-reliance on text to	decorate, with the text
	distracting. The visuals	tell important	telling the story.
	tell the story, with text	information.	g · · · · · · · · · · ·
	there only to		
	supplement. Readers		
	could still get the gist of		
	the story if text were		
	removed.		



Asthma

# What I Have Learned

Stroke

To sum up what you have learned from this module, fill in the blanks using the words inside the box. Write your answers on a separate sheet of paper.

Information Literacy

	Cigarette smokers	Tuberculosis	Information Dissemination
	Hypertension	Go, grow, and glow foods	Emphysema
	Lung Cancer	60 minutes	Heart Failure
	Pneumonia	120 minutes	Covid-19
1.	poses	greater risk of having disease	es rather than non-smokers.
2.		the most common respirate avoiding the things that car	ory diseases, can be prevented n trigger it.
3.	is cons	sidered the leading cause of o	cancer death nationwide.
4.	is a dis	sease caused by a bacterium	called Mycobacterium.
5.	is caus	sed by a bacterial, viral, or fu	angal infection.
6.	the brain is blocked or		the blood vessels that leads to
7.	unnoticeable.	a blood pressure is a condition	on where symptoms are
8.	Healthy diet is not all	about fruits and vegetables	s, it is a complete package of
9.		ontribute to overall health ar	of moderate
10.			ive ways of taking care of the our peers and most especially



**One-month Healthy Lifestyle Challenge.** Your objective is to make a -day planner of having a healthy lifestyle. From day 1-30 you are going to plan what you eat, how many minutes you will exercise for the day, and what time you are going to bed. Use a separate sheet of paper for your answers. You can copy the layout of the table below the rubrics.

Rubrics:	Excellent / 2 pts	Good / 1 pt.	Fair / 0 pts
Eating Healthy Foods	Has planned to eat healthy foods for the day. Go, grow, and glow foods	Has planned to eat healthy foods but only 2 types among go, grow, and glow	Has planned to eat no healthy foods for the day
Regular Exercise	Has planned of having 30 minutes of exercise or 10,000 steps for the day	Has planned of having 15 minutes or less of exercise or less than 5,000 steps	Has planned to slack off for the day
Sleeping Early at night	Has planned to sleep at 8-9 PM	Has planned to sleep at 10-11 PM	Has planned to sleep at 12 AM- onwards

			SUNDAY
			MONDAY
			TUESDAY
			WEDNESDAY
			THURSDAY
			FRIDAY
			SATURDAY



Multiple Choices. Choose the letter of the best answer. Write your answer on a separate sheet of paper.

- 1. Smoking is the common cause of emphysema. Which situation will happen when you quit smoking immediately?
  - a. The blood in your lungs will lack oxygen
  - b. The amount of oxygen in your lungs will decrease
  - c. The blood pressure in your pulmonary artery will increase
  - d. The amount of oxygen in your blood stream will, ultimately, increase
- 2. What are you going to do to lessen the risk of having a disease?
  - a. Eat junk foods
  - b. Exercise regularly
  - c. Sleep late at night
  - d. Slack off and watch Netflix all day
- 3. What type of activity will weaken our lungs, muscles, and makes our heart more inefficient?
  - a. Eating
  - b. Exercising
  - c. Sleeping
  - d. Smoking
- 4. What is the chronic respiratory condition that causes difficulty in breathing due to inflammation of the airways?
  - a. Asthma
  - b. Bronchitis
  - c. Emphysema
  - d. Pneumonia
- 5. Who are you going to consult if you are having a fast heartbeat?
  - a. A Cardiologist
  - b. A Urologist
  - c. A Neurologist
  - d. A Pulmonologist
- 6. What occurs when a blood clot blocks the blood supply from the heart?
  - a. Anemia
  - b. Heart attack
  - c. Heart failure
  - d. Stroke

- 7. Which practice may strengthen our circulatory system?
  - a. Cigarette Smoking
  - b. Having a daily exercise
  - c. Staying up late at night
  - d. Eating junk foods everyday
- 8. Why do people ended up eating fast foods, rather than eating fruits and vegetables?
  - a. Because they are ready to eat
  - b. Because they taste better than fruits and vegetables
  - c. Because they are less expensive than fruits and vegetables
  - d. Because they look more delicious than fruits and vegetables
- 9. What is being described in this situation: the elevation of blood pressure in the vessels gets too high that it can trigger other diseases?
  - a. Asthma
  - b. Bronchitis
  - c. Hypertension
  - d. Stroke
- 10. What is being described in this situation: it can happen if a vessel that supplies blood to the brain either becomes blocked by a blood clot or bursts?
  - a. Atherosclerosis
  - b. Hypertension
  - c. Pneumonia
  - d. Stroke
- 11. What are the symptoms of heart failure?
  - a. Fast heartbeat and sweating
  - b. Fever, dry cough, and tiredness
  - c. Aching sensation of neck and jaw
  - d. Shortness of breath, rapid or irregular heartbeat, and chest pain
- 12. What are the symptoms of lung cancer?
  - a. Diarrhea and sneezing
  - b. Coughing and wheezing
  - c. Loss of speech and movement
  - d. Chest pain and coughing up blood
- 13. What are the symptoms of emphysema?
  - a. Diarrhea and sneezing
  - b. Coughing and wheezing
  - c. Loss of speech and movement
  - d. Chest pain and coughing up blood

- 14. How can you protect yourself from contracting COVID-19?
  - a. Not wearing face mask for better ventilation
  - b. Frequent handwashing and social distancing
  - c. Going outside your home and play with friends
  - d. Attending social gatherings and Zumba sessions
- 15. What is the bottom line of this module?
  - a. To help you detect and prevent diseases in the circulatory and respiratory system
  - b. To help you explain the mechanism of how the respiratory and circulatory system work together
  - c. To help you identify the key parts of the breathing system and describe the function of each part
  - d. To help you identify the parts of the circulatory system and explain how oxygen-rich blood transport to the different parts of the body



# **Additional Activities**

I. Write <b>Do</b> if the statement is good for your respiratory and circulatory systems and
Don't if it is bad. Write your answers in a separate sheet of paper.
1. Avoid cigarette smoking.
2. Exercise regularly and have an active lifestyle.
3. Eat fast food because it is delicious and healthy.
4. Cigarette smoking is good for your health.
5. Adequate sleep gives you a healthy blood flow.
6. Eating well-balanced diet will make you healthy.
7. Eating too much salty and fatty foods will make you healthy.
8. Sleeping late at night is the best way to take good care of your body.
9. Avoiding cigarette smokers while they are smoking may help you prevent
diseases.
10. An effective way for the community to have a healthy lifestyle is through
proper information dissemination.

COVID-19 poses great threat not only to the economy of the country, but mespecially to our health. Explain what we can do as a healthy lifestyle advocate disseminate information regarding the danger that this pandemic brings. We your composition in a separate sheet of paper.	e to

# Rubric for the Essay:

	Level 4 / 5pts	Level 3 / 4pts	Level 2 / 3pts	Level 1 / 2pts
Details from Text	Two to three sentences that directly answer the short-answer question. Two or more details are used from the text or power points to support the thesis.	One to two sentence that directly answer the short-answer question. One or two details are used from the text or power points to support the thesis.  The details somewhat support and respond to the question.	One detail is used from the text or power point The detail only slightly supports and responds to the question.	No or only one detail from the text or power point is used in the written reading response.  The detail has no connection or support to the response.
Elaboration of Ideas	The elaboration of details from the text or power points clearly and completely support/explain the response to the question.	There are one or two sentences that do not clearly explain the details chosen from the text to respond to the question.	There is just one sentence that further explains the details from the text and how it connects to the response.	There is nothing written that further explains the details from the text and how it connects to the response.
Mechanics	Sentences begin with a capital and have end punctuation. Sentences are complete Punctuation is used correctly through-out.  Words are spelled correctly. Paragraphs are used correctly when needed.	Sentences begin with a capital and have end punctuation. Sentences are complete. Punctuation is mostly used correctly.  Most words are spelled correctly. Paragraphs are mostly used correctly.	Most sentences begin with a capital and have end punctuation with some sentence fragments. Punctuation is sometimes used correctly. Most words are spelled correctly Paragraphs are sometimes used correctly.	Some sentences begin with a capital and end with the appropriate punctuation. There are sentence fragments. Punctuation is sometimes used correctly. There are many misspelled words. There are no paragraphs used when needed.
Healthy Lifestyle Advocate	The student acknowledges the importance of information dissemination with family, peers, and other to enhance health and understands how it benefits them with examples of how it can benefit them and others.	The student acknowledges the importance of information dissemination with family, peers, and other to enhance health and understands how it benefits them.	The student acknowledges the importance of information dissemination with family, peers, and other to enhance health.	The students do not acknowledge the importance of information dissemination with family, peers, and others to enhance health.



# Answer Key

				them and others.	
				how it can benefit	
			them.	vith examples of	
	enhance health.		how it benefits	it benefits them	
	others to	health.	and understands	wod sbastsabau	
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	with family,	peers, and other	and other to	other to enhance	
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	the importance	noitsmrotni to	noitsmroini	information	
	acknowledge	the importance	importance of	importance of	Advocate
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	.bebeen				
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	paragraphs				
	There are no	correctly.			
	words.	sometimes used	correctly.	when needed.	
	bəlləqssim	Paragraphs are	mostly used	used correctly	
	Треге аге талу	spelled correctly	Paragraphs are	Paragraphs are	
	correctly.	Most words are	spelled correctly.	correctly.	
	sometimes used	correctly.	Most words are	Words are spelled	
	Punctuation is	sometimes used			
	fragments.	Punctuation is	correctly.	through-out.	
	sentence	fragments.	mostly used	used correctly	
	Треге аге	sentence	Punctuation is	Punctuation is	
	punctuation.	with some	complete.	complete	
	appropriate	punctuation	Sentences are	Sentences are	
	with the	pave end	punctuation.	punctuation.	
	capital and end	capital and	pave end	pave end	
	begin with a	begin with a	with a capital and	with a capital and	
ļ	Some sentences	Most sentences	Sentences begin	Sentences begin	Mechanica
	_	response.	_	question.	
	to the response.	connects to the	the question.	the response to the	
	how it connects	text and how it	text to respond to	support/explain	
	the text and	details from the	chosen from the	completely	
	the details from	explains the	explain the details	points clearly and	
	further explains	that further	do not clearly	text or power	
	written that	one sentence	two sentences that	details from the	of Ideas
	There is nothing	There is just	There are one or	The elaboration of	Elaboration
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			and respond to the		
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	ni bəsu si tnioq	prior trioq	the short-answer	short-answer	
	text or power	text or power	directly answer	directly answer the	
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	No or only one	si listeb enO	owt ot ano	Two to three	Details Text
	Level 1 / 2pts	Level 2 \ 3pts	Level 3 / 4pts	Level 4 \ 5pts	II.
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		removed.	
		story if text were	
		get the gist of the	
		Readers could still	
		supplement.	
	information.	there only to	
story.	important	story, with text	
ext telling the	liest to tell	The visuals tell the	
decorate, with the	be an over-reliance	being distracting.	
Graphics merely	good, but there may	and story, without	
colors or fonts.	story. Visuals are	reinforce the data	
-may use too many	overall theme and	work together to	
Visually distracting-	elements add to the	fonts. All elements	
and/or fonts.	fonts. Most	graphics, color, and	
graphics, color	graphics, color and	to seu seitosite	
Poor use of	To seu bood	Eye-catching and	Visual Appeal
,	, ,	reader.	
		to help guide the	
	reader.	graphics and color	
	to help guide the	Excellent use of	
the reader.	graphics and color	read storyline.	
graphics to guide	spots. Some use of	follow and easy to	
use of color or	ni gnisulnoo əd	creates an easy-to-	
and/or data. Little	organized but may	bns noitszinsgro	
Juoyal gaisulnoO	Mostly clear and	Layout shows clear	Layout
		information.	
		rojem tuo	
	picture of the topic.	and does not leave	
	Isnoitsmrolni	tells the full story	
	complete	viewer. The data	
	a triing ton yem	information to the	
irrelevant.	compelling. Data	conveys meaningful	
To gnissim	especially	data is relevant and	
clear story. Data is	is relevant, if not	engaging story. All	40 0
the topic, with no	and most of the data	with a clear,	(VillaniginO bna
Little or no focus of	Topic is focused,	Topic is focused,	Content (Creativity
atq S \ IsnigasM	Admirable / 8 pts	Exceptional   10 pts	Criteria

#### What I can do

*1				
1	tdgin	Mq 6-8 1s	at 10-11 PM	at 12 AM-onwards
l	Sleeping Early at	Has planned to sleep	Has planned to sleep	Has planned to sleep
1		steps for the day	than 5,000 steps	
l		exercise or 10,000	less of exercise or less	
l		having 30 minutes of	having 15 minutes or	off for the day
l	Regular Exercise	Has planned of	Has planned of	Has planned to slack
1		spool wolg	go, grow, and glow	
l		day. Go, grow, and	only 2 types among	day
l	Foods	healthy foods for the	healthy foods but	healthy foods for the
	Eating Healthy	Has planned to eat	Has planned to eat	Has planned to eat no
1		Excellent / 2 pts	Good / 1 pt	Faur / O pts

#### Additional Activities

1. DO 2. DO 3. DON'T

4. DON'T

OG .8 TNOG .7 TNOG .8 OG .9

10' DO

wearing PPEs like face mask.	
smoking cigarette, practice Social/Physical distancing, stay at home,	
Practices (Possible answers): Regular Exercise, avoiding vices like	<ol><li>Covid-19</li></ol>
foods, avoid eating fast food.	
foods, avoid drinking alcoholic drinks, regular exercise, eat healthy	
Practices (Possible answers): Avoid Fatty foods, avoid eating unhealthy	4. Stroke
vegetables, eat iron-rich foods	
night, avoid eating junk foods, eat healthy foods, eat fruits and	
Practices (Possible answers): Enough amount of sleep, don't stay up all	3. Anemia
foods, avoid eating fast food.	
foods, avoid drinking alcoholic drinks, regular exercise, eat healthy	
Practices (Possible answers): Avoid Fatty foods, avoid eating unhealthy	2. Hypertension
udileadan naitea bione abod utted biont desemane aldiagon sanitagad	anisantinauH C
vehicles, avoiding anything that can trigger asthma	
smoking cigarette, avoiding Cigarette smokers, avoiding smoke belching	
Practices (Possible answers): Regular Exercise, avoiding vices like	1. Asthma
Properties (Described and Properties of Prop	Activity 2
	C wiwita A
	120.101
	15. a.
	14. a.
	13. d.
	12. d.
10. Anemia	11. b.
9. Stroke	.a.
8. Asthma	9. a.
7. Pneumonia	8. a.
9. Етрһуузета	7. b.
5 Bronchitis	6. d.
4. Lung cancer	5. d.
3. Hypertension	4. b.
2. Tuberculosis	1
aiodimadit. C	3. b.
I. Atherosclerosis	2. c.
Activity 1  I. Atherosclerosis	1. d. 2. c.
I. Atherosclerosis	2. c.
Activity 1  I. Atherosclerosis	What I know I. d. 2. c.
Activity 1  I. Atherosclerosis	15. a. What I know I. d. 2. c.
Activity 1  I. Atherosclerosis	14. b. 15. a. What I know 1. d. 2. c.
Activity 1  I. Atherosclerosis	13. b. 14. b. 15. a. <b>What I know</b> 1. d. 2. c.
Activity 1  I. Atherosclerosis	12. d. 13. b. 14. b. 15. a. <b>What I know</b> 1. d. 1. d.
What's more Activity 1  1. Atherosclerosis	13. b. 14. b. 15. a. <b>What I know</b> 1. d. 2. c.
Activity 1  I. Atherosclerosis	12. d. 13. b. 14. b. 15. a. <b>What I know</b> 1. d. 1. d.
10. information dissemination  What's more Activity 1  1. Atherosclerosis	10. d. 11. d. 12. d. 13. b. 14. b. 15. a. <b>What I know</b> 1. d. 2. c.
9. 150 minutes  10. information dissemination  What's more Activity 1  1. Atherosclerosis	9. c. 10. d. 11. d. 12. d. 13. b. 14. b. 16. b. 15. a. 11. d. 1. d.
8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination  What's more Activity 1  1. Atherosclerosis	8. a. 9. c. 10. d. 11. d. 12. d. 13. b. 14. b. 14. b. 15. a. 15. a. 15. a. 15. a.
7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination  What's more Activity 1  1. Atherosclerosis	7. b. 8. a. 9. c. 10. d. 11. d. 13. b. 13. b. 14. b. 15. a. 15. a
6. Stroke 7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination  What's more Activity 1  1. Atherosclerosis	6. b. 7. b. 8. a. 9. c. 10. d. 10. d. 11. d. 13. b. 13. b. 14. b. 15. a.
7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination  What's more Activity 1  1. Atherosclerosis	5. 8. 6. b. 7. b. 8. 8. 9. c. 10. d. 11. d. 13. b. 14. b. 15. a. 15. a. 15. a. 11. d.
5. Preumonia 6. Stroke 7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination  Mhat's more Activity 1 1. Atherosclerosis	5. 8. 6. b. 7. b. 8. 8. 9. c. 10. d. 11. d. 13. b. 14. b. 15. a. 15. a. 15. a. 11. d.
4. Tuberculosis 5. Pneumonis 6. Stroke 7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination  What's more Activity 1 1. Atherosclerosis	4. a. 5. a. 6. b. 7. b. 8. a. 9. c. 10. d. 11. d. 13. b. 14. b. 15. a. 1
3. Lung Cancer 4. Tuberculosis 5. Pneumonis 6. Stroke 7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination  Mhat's more Activity 1 1. Atherosclerosis	3. d. 4. a. 5. a. 6. b. 7. b. 9. c. 10. d. 11. d. 13. b. 14. b. 15. a. 15. a. 15. a.
2. Asthma 3. Lung Cancer 4. Tuberculosis 5. Pneumonis 6. Stroke 7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination Mhat's more Activity 1 1. Atherosclerosis	2. b. 3. d. 4. a. 5. a. 6. b. 7. b. 8. a. 9. c. 10. d. 11. d. 13. b. 14. b. 14. b. 16. a. 14. b. 16. c. 17. d. 13. c. 11. d. 11. d. 12. d. 13. b. 11. d.
3. Lung Cancer 4. Tuberculosis 5. Pneumonis 6. Stroke 7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination  Mhat's more Activity 1 1. Atherosclerosis	3. d. 4. a. 5. a. 6. b. 7. b. 8. a. 9. c. 10. d. 11. d. 13. b. 13. b. 14. b. 13. b. 14. b. 13. b. 14. b. 15. a. 14. b.
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1. Cigarette smokers 2. Asthma 3. Lung Cancer 4. Tuberculosis 5. Pneumonia 6. Stroke 7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination Mhat's more Activity 1 1. Atherosclerosis	Assessment 1. d. 2. b. 3. d. 4. a. 5. a. 6. b. 7. b. 7. b. 10. d. 11. d. 13. b. 14. c. 14. b. 14. c. 14. b. 15. a.
1. Cigarette smokers 2. Asthma 3. Lung Cancer 4. Tuberculosis 5. Pneumonia 6. Stroke 7. Hypertension 8. Go, grow, and glow foods 9. 150 minutes 10. information dissemination Mhat's more Activity 1 1. Atherosclerosis	9. Exercise 10. Cigarette 11. d. 2. b. 3. d. 4. a. 5. a. 5. a. 6. b. 7. b. 7. b. 11. d. 12. d. 13. b. 14. b. 15. a. 16. b. 11. d. 11. d. 12. d. 13. b. 11. d. 13. b. 11. d. 11. d. 12. d.
What I have learned 1. Cigarette smokers 2. Aathma 3. Lung Cancer 4. Tuberculosis 5. Pneumonia 6. Stroke 7. Hypertension 9. 150 minutes 10. information dissemination Mhat's more Activity 1 1. Atherosclerosis	8. Pneumonia 9. Exercise 10. Cigarette 10. Cigarette 1. d. 2. b. 3. d. 4. a. 5. a. 6. b. 7. b. 12. d. 13. b. 11. d. 11. d
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- DepEd Bureau of Learning Resources (BLR) Illustrations. Birthday Party. https://lrmds.deped.gov.ph
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