

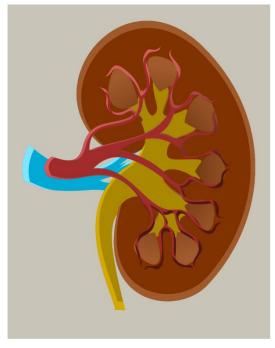
Kidney Health Student Workbook

What is a Kidney, Anyway?

A kidney is a part of your body. It is an organ that looks like a big bean. You have two kidneys, and they are in your back, just below your ribs. They are very important, because they help keep your body clean and healthy.

The kidney's main job is to clean your blood. Your blood carries food and oxygen to your body, but it also picks up waste. The kidney takes the waste out of your blood. This helps get rid of things your body does not need.

Kidneys also keep the right amount of water in your body. If you drink too much water, your kidneys help you remove the extra water. If you don't drink enough, your kidneys save water to keep you from getting too thirsty. This balance is very important. It blood clean and healthy. helps your whole body stay healthy!



Your body has two kidneys. These important organs help keep your

Doctors check on your kidneys. They know the kidneys could be sick when they hear issues about urination (peeing). People can feel uncomfortable talking about urination, but it is key information for doctors. They want to know if it is uncommon or a different color. These are important conversations between doctors and people with kidney issues.

Another thing kidneys do is help your body stay strong. They tell your bones to grow and help make red blood cells. Red blood cells carry oxygen, which gives you energy. Without your kidneys, your body would have a hard time working properly. Your kidneys make sure the rest of your body is strong.

In summary, kidneys are bean-shaped organs that clean your blood, balance water, and keep your body strong. They are like little cleaners and helpers inside you. Taking care of your kidneys helps your body stay healthy!

- **1.** What does the phrase "get rid of" mean?
 - a. carry something
 - c. get more of something
- b. need something new
- d. take away something bad

2.	What is the best definition of "balance a. drinking water c. able to walk safely	b. not too much or too little d. tasks that you still have to do	
3.	Which word means the same as "prop a. correctly c. newly	<u>erly</u> "? b. hardly d. quickly	
4.	What does the kidney take out of your a. food c. waste	b. oxygen d. water	
5.	What is the main job of a kidney?		
6.	What part of your body carries oxyger a. bones c. red blood cells	n to give you energy? b. kidneys d. white blood cells	
7. The text says, "They tell your bones to grow and help make red blood of			
	What does " <u>They</u> " refer to in this senter a. bones c. red blood cells	ence? b. kidneys d. white blood cells	
8.	Which sentence is true about your kid a. You have kidney in your blood. b. You have two kidneys in your love. You have many kidneys in your wid. You have one kidney in each of	wer back. whole body.	
9.	The last paragraph says, "They are like What does this sentence mean? Expla	•	

Main Idea: What is the whole text mostly about?		
☐ Check: Are you sure this is the biggest idea in the reading?		
Detail 1: What is one part that supports the main idea?		
☐ Check: Is this a key detail and not just a small fact?		
Detail 2: What is another part that supports the main idea?		
☐ Check: Is this a key detail and not just a small fact?		
Detail 3: What is one last part that supports the main idea?		
☐ Check: Is this a key detail and not just a small fact?		

Kidneys Can Stop Working

Kidneys can stop working if they get hurt or sick. This is called kidney failure. Sometimes, a disease like diabetes or high blood pressure hurts the kidneys over time. Other times, an injury or infection can damage them quickly.

When kidneys fail, they can't clean the blood. The waste and extra water stay in the body. This makes a person feel tired, sick, and swollen. Our bodies needs clean blood to work, so kidney failure is very <u>serious</u>.

Sometimes, kidneys fail because they don't get enough blood. This can happen if someone is very sick or loses a lot of blood. Taking certain medicines for too long can also hurt the kidneys. It is important to be careful with your body and listen to your doctor to protect your kidneys.

If kidneys fail, doctors can help fix them. They can use a machine called a dialysis machine to clean the blood. This machine works like a kidney. Some people may also get a new kidney from a donor. Someone else gives them an extra kidney through surgery. These <u>treatments</u> help people A dialysis machine works stay alive and feel better.



like a kidney to clean blood.

In summary, kidneys fail when they get hurt or sick. When they fail, they can't clean any more blood. This makes the rest of the body sick. But, doctors can help fix kidney failure with machines or surgery. Taking care of your health protects your kidneys and keeps them working well.

1. What do doctors call the sickness when your kidneys stop working?

- **2.** What is the best definition of "donor"?
 - a. someone who gives a gift
 - b. a doctor who can help kidneys
 - c. a tool that helps doctors clean blood
 - d. something that is used for the first time

	b. ways to help heal someone***
	c. things that are a good surprised. sharing or giving something away
	d. Sharing of giving something away
4.	What kind of machine can help kidney failure?
5.	Which word means the opposite of " <u>damage</u> "? a. break b. heal c. open d. start
6.	What makes someone feel tired and sick when their kidneys fail? a. They lose too much blood. b. The kidneys clean out all of the blood. c. Waste and extra water do not leave their blood. d. Medicines to heal the kidney do not reach the blood.
7.	What does " <u>serious</u> " mean in this reading? a. could be dangerous b. grows to be large in size c. people can tell jokes about d. makes people feel extra tired
8.	Which cause-effect statement is true about kidney failure? a. Kidney failure can be a cause of getting an injury. b. Kidney failure can be an effect of the body feeling swollen. c. Kidney failure can be a cause of not getting enough blood. d. Kidney failure can be an effect of taking medication for too long.
9.	The third paragraph says, "It is important to <u>be careful with your body</u> to protect your kidneys."
	What does "be careful with your body" mean in this sentence? Explain.

3. What does "<u>treatments</u>" mean? a. talking to people

Keep Your Kidneys Healthy

People take care of their kidneys by listening to their doctors and living a healthy lifestyle. A key part of staying healthy is drinking some water every day. Healthy foods, like fruits and vegetables, are also important. Exercise also <u>ensures</u> your kidneys are strong. All of these strategies help care for your kidneys.



Your kidneys stay healthy when you drink water every day. Water helps your kidneys clean your blood and get rid of waste. When you drink enough water, your kidneys can work well. People should drink mostly water instead of sugary drinks like soda. A doctor or nurse can help you decide how much water is the right amount. Your body needs different amounts of water as you grow.

of water as you grow.

Eating healthy foods also keeps your kidneys strong. Foods like fruits, vegetables, and whole grains are good for your body. People should avoid too much salty food, like chips, or sugary snacks, like candy. If you aren't sure what foods can help your body, ask a doctor or nurse questions about your <u>diet</u>. Healthy food helps your kidneys and your whole body work better.



Playing and moving your body helps your kidneys too. Exercise like running, jumping, and walking keeps your blood flowing and your body strong. It also helps keep your weight healthy, which is good for your kidneys. Find fun ways to stay active every day!

In summary, drinking water, eating healthy, staying active, and following your doctor's advice keep your kidneys healthy. When you take care of your kidneys, they take care of you by keeping your body clean and strong.

- 1. Which word means the same as "ensures"?
 - a. equals

b. guarantees

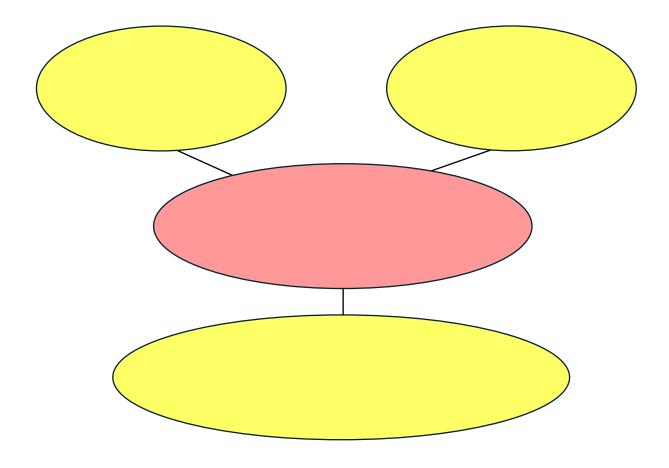
c. needs

d. tries

- 2. What does "diet" mean?
 - a. the foods that you eat
 - b. a way that doctors can help you
 - c. your kidney's main job in your body
 - d. things that are less healthy for your kidneys

- **3.** What are **3** types of food that are good for your body?
- _____
- **4.** The second sentence says, "A key part of staying healthy is drinking some water every day." How does this sentence connect to the rest of the text?
 - a. It gives examples of the next key details.
 - b. It explains the main idea of the whole text.
 - c. It describes why readers should care about this text.
 - d. It introduces the main idea of the second paragraph.
- **5.** What is the purpose of the first sentence?
 - a. to introduce the main idea of the whole reading
 - b. to convince readers that this reading is important
 - c. to share examples of how this text connects to readers
 - d. to describe the key details that each paragraph will talk about
- **6.** How is the first paragraph similar to the last paragraph?
 - a. Both paragraphs are introduction paragraphs for the text.
 - b. Both paragraphs give small supporting details for the main idea.
 - c. Both paragraphs talk about ideas from the middle three paragraphs.
 - d. Both paragraphs mention that fruits and vegetables are important for kidney health.
- **7.** Why is water important for your kidneys?
- _____
- 8. What should you do if you don't know which foods can help your body?
 - a. look it up online
 - b. ask a doctor or nurse
 - c. eat the foods that taste best
 - d. try different foods to see how you feel
- 9. Which claim states how hard or easy it is for people to improve kidney health?
 - a. It is hard to eat foods to promote kidney health.
 - b. It is hard to eat the rare foods that keep kidneys healthy.
 - c. It is easy to drink water and eat healthier food to keep kidneys healthy.
 - d. It is easy to find the medicines people need to get better kidney health.

Blank Word Web



Diabetes Can Cause Kidney Problems

Diabetes is a type of illness. Diabetes happens when your body has trouble using sugar for energy. Your body uses a chemical called insulin to help sugar from food get into your cells. If your body doesn't make enough insulin or does not use it well, sugar stays in your blood instead of helping your body. This is called diabetes.

Diabetes can be caused by different things. It could happen if someone eats too much sugary food and doesn't exercise enough. Sometimes, it runs in families, meaning you can get it because your parents or grandparents pass it through their genes. This illness mostly happens as people get older but many students have diabetes, too.

Diabetes can hurt your kidneys, eyes, and nerves. It can make your kidneys work too hard to clean extra sugar in the blood. Over time, this can make the kidneys stop working. It can also hurt your eyes by damaging tiny blood vessels, which can make it hard to see. Diabetes can hurt your nerves by damaging these tiny wires that carry messages in your Special tools like this glucose monitor can tingling, or numbness, especially in your hands and feet.



body. This can cause pain, help people with diabetes check their blood sugar.

There are ways to improve diabetes. People who have diabetes get help from their doctors so they can keep living healthy lives. They monitor their blood sugar levels. Eating healthy meals and exercising can help your body manage diabetes. Medicines and insulin treatments can also help.

In summary, diabetes happens when your body has trouble using insulin. It affects the sugar in your blood. Kidney failure is one effect of diabetes. Other parts of your body can also be affected by diabetes. Keeping blood sugar at a safe level helps prevent diabetes and keep your body healthy.

1. Which word means the same as "monitor"?

a. create

b. fix

c. stop

d. watch

2.	Which phrase means the same as "type of"? a. an example of b. the only example of c. creating text slowly d. creating text quickly
3.	What does "insulin" do? a. Insulin keeps sugar in your blood. b. Insulin gets sugar into your body's cells. c. Insulin passes genes to people in future generations. d. Insulin is a disease that can be passed from grandparents to parents.
4.	What does the phrase "runs in families" mean? a. Some families will always get kidney failure. b. One person can give diabetes to anyone close to them. c. People pass genes to their family members for different things. d. Families who exercise together have healthy and strong bodies.
5.	Diabetes can hurt your kidneys. What are 2 other body parts it can hurt? and
6.	What is the purpose of the first paragraph? a. to explain what diabetes is b. to give examples of kidney problems c. to describe the main idea of the whole text d. to persuade readers to take good care of their kidneys
7.	What is the purpose of the picture and caption? a. to explain how science connects to health b. to show the right number for healthy diabetes levels c. to make the text more interesting to people who don't have diabetes d. to give an example of how people stay healthy when they have diabetes
8.	Select four ways people can improve their kidney health. exercising

Cause:	
First Effect:	
Second Effect:	
Third Effect:	_
Last Effect:	
	_

High Blood Pressure Can Cause Problems

Blood moves through every part of your body. It carries important things throughout your body, like oxygen and nutrients. Your heart beats to move blood around your body. Problems with your blood can cause problems in other parts of your body. High blood pressure is one problem that can be <u>harmful</u>.

Your blood moves through tiny tubes called blood vessels. High blood pressure happens when your blood pushes too hard on the walls of your blood vessels. Your heart <u>pumps</u> blood through blood vessels called veins and arteries. If your arteries get too tight or your heart has to work too hard, the pressure goes up. This can hurt your heart and other parts of your body.



Doctors can use easy tests to check your blood pressure.

High blood pressure can hurt your kidneys. One day of high blood pressure won't hurt you. But, it can have serious consequences over time. If you have high blood pressure for a long time, the blood vessels around your kidneys may get weak or damaged. This makes it difficult for your kidneys to filter blood and keep it clean. It can also lead to more high blood pressure in the future.

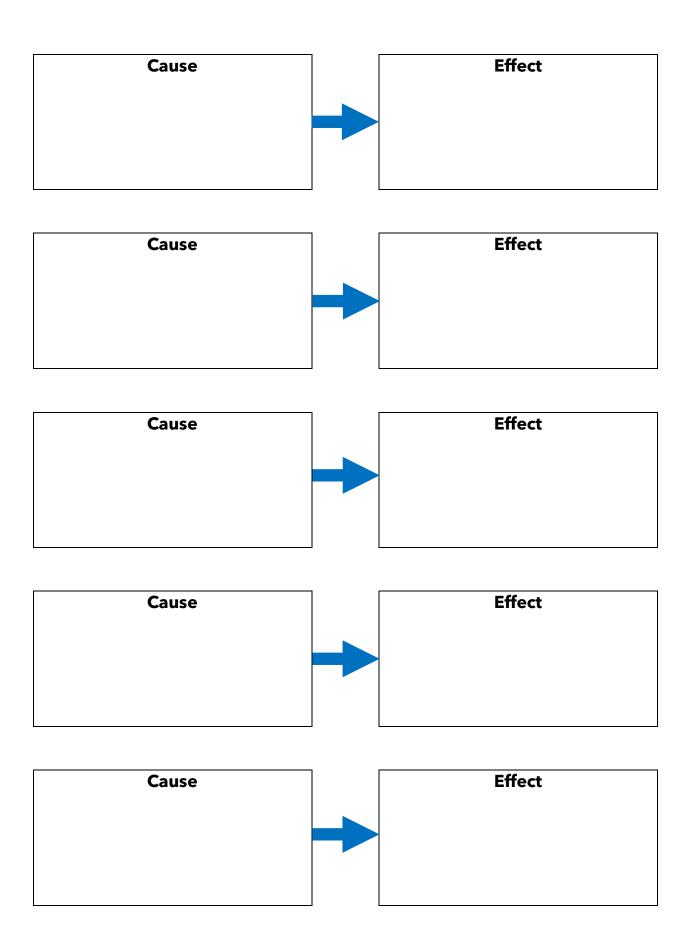
Doctors can help lower blood pressure if it is too high. Some medicines help your heart and blood vessels, so the pressure is lower. Doctors can also teach people about <u>lifestyle changes</u> that help lower blood pressure. Eating healthy foods and exercising can help keep your heart strong. Lowering your stress can also help improve your blood pressure.

In conclusion, high blood pressure happens when your blood pushes too hard in your arteries. This can cause problems for your heart and kidneys. Eating healthy, staying active, and listening to doctors can help lower blood pressure to keep your body safe and strong.

- 1. What does "harmful" mean?
 - a. bad for you
 - c. good for you

- b. hard to fix
- d. hard to understand

2.	 What is the best definition of "<u>lifestyle changes</u>"? a. changes inside your body b. strategies for changing blood pressure c. things people change about their everyday behaviors d. people who are good at being both doctors and teachers 		
3.	What are 2 important things blood carries in your	body?	
4.	Match the correct definition to each vocabulary w	ord.	
	A. tiny tubes that carry your blood	blood pressure	
	B. organs that help clean your blood	blood vessels	
	C. how hard your blood pushes when it moves	kidneys	
5.	 Does one day of high blood pressure damage your kidneys? a. Yes, any high blood pressure can damage your kidneys. b. Yes, any changes to blood pressure can damage your kidneys. c. No, high blood pressure only damages your heart, not your kidneys d. No, high blood pressure only damages your kidneys over a long period of time.*** 		
6.	 Which cause-and-effect statement is true? a. Kidneys filtering blood well is an effect of b b. Blood vessels getting weak is a cause of mode. c. Eating healthy and exercising are effects of d d. Lower blood pressure is a cause of the hear blood. 	ore high blood pressure. lowering blood pressure.	
7.	□ lowering stress□ practicing blood pressure□ practicing blood pressure	d pressure? ercising sing stress acticing breathing oiding medicines	



How Nurses Diagnose Kidney Failure

To diagnose kidney failure, first look for <u>symptoms</u>. Common symptoms include swelling in the legs, feet, or face, tiredness, and trouble urinating. Some people might also feel confused or have <u>nausea</u>. If nausea is an issue, keep the patient by a bathroom so vomit can be disposed of quickly. These symptoms show that the kidneys may not be working well.

When seeing a <u>patient</u>, check their medical history. While you read their chart, ask about illnesses like diabetes or high blood pressure. These can hurt the kidneys over time.) Also, ask about any medicines the patient takes because some drugs can damage the kidneys. Seeing a person's past medical needs can help understand what might be happening now.



Scientists help doctors do tests that check for kidney failure.

There are three tests that check kidney function. A blood test measures <u>creatinine levels</u>, which rise when kidneys are not working. Creatinine is a chemical sign that the kidneys are failing. Another test, called a GFR (glomerular filtration rate), shows how well the kidneys filter waste. A urine test checks for protein or blood, which are signs of kidney damage.

You can also check for physical changes. Swelling, high blood pressure, and changes in weight can point to kidney failure. If you are still in doubt, <u>collaborate</u> with other medical experts. More tests, <u>like an ultrasound</u>, may be needed to look at the kidneys directly.

In summary, nurses diagnose kidney failure by looking for symptoms, reviewing medical history, and performing tests. You can check for changes in the body and use test results to find out how well the kidneys work. Quick diagnosis helps patients get the care they need. Keep an eye out for kidney failure!

- **1.** What does "patient" mean in this text?
 - a. taking your time and not rushing
 - b. someone who is seeing a doctor
 - c. a sign that kidneys are not working anymore
 - d. a possible problem with someone's health or body

2.	Who	is referred t	o by "you" in the ph	rase "you read their	chart"?
		nurse		b. patient	
	C.	reader		d. writer	
3.	a. b. c.	put things read more work toget	definition of " <u>collabe</u> together information about ther with other peop always accomplish t	le	
4.	a. b. c.	It gives an It explains It is not an	e " <u>like an ultrasound</u> example of a test. what an ultrasound i important part of the es a new main idea t	is. e sentence.	
5.	 Which quote is the best context clue to understand the word "nausea"? a. "swelling in the legs, feet, or face, tiredness, and trouble urinating" b. "people might also feel confused" c. "so vomit can be disposed of quickly" d. "the kidneys may not be working well" 				
6.	Write	1, 2, 3, or 4	to sequence the ste	eps to diagnose kidr	ney failure.
		lood test, urine test.	Read about past medical needs.	Check with other doctors or nurses.	Look for signs like swelling and tiredness.
7.	Write	a sentence	to describe what it i	means for a kidney t	to fail.

Kidneys Work with Other Organs

Kidneys are important organs in your body. They do the essential job of cleaning your blood. The kidneys also work with other organs in your body. They work with your heart, lungs, and liver to help you stay strong and healthy.

Your kidneys need your heart. The heart is a very strong muscle that pushes and pulls blood throughout your whole body. It squeezes and expands very quickly, over and over. These squeezes and expansions cause your heartbeat! The heart moves blood around your body and into your kidneys. All the blood in your body is filtered many times a day by the kidneys! They would not be able to clean any blood if the heart did not beat.

Lungs and kidneys work together, too. Your lungs are the organs that help you breathe. When you breathe in, your lungs expand to pull in air. They push air back out when you exhale. Your lungs make sure you have enough oxygen. It takes a lot of oxygen for your body to work well. And, your kidneys use lots of that oxygen. They use about 25% of the oxygen your lungs absorb!

Your kidneys and liver work closely together. They both keep your body clean and healthy. These organs are near each other inside your body. The liver sits on top of the kidneys. Your liver helps filter things out of your body when you eat food. It sends some waste into your blood. Then, your kidneys filter it out of your blood. These two organs do similar jobs to move waste out of your body.

In summary, your kidney is an important organ that works together with other organs. Together, they help keep your body strong and healthy. Your kidneys need to work well with your heart, lungs, and liver to keep you healthy.

Discussion Questions:

- a. Why do the kidneys need the heart?
- b. What is another organ kidneys work with? How do they work together?
- c. Are the kidneys important compared to these other organs??

Summarize this reading in one sentence:	

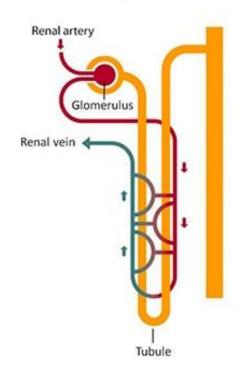
The Small Parts of Your Kidney that Make a Big Impact

Your kidneys keep you healthy by filtering waste from your blood. They make sure you have enough water in your body. But, how does a kidney actually work?

You have millions of blood filters called nephrons. Each nephron has a filter that removes things from your blood. The filter is called the glomerulus. Each one connects to a tubule that returns some of the filtered liquid to your blood.

The glomerulus is designed to filter waste and other things in your blood. Some of the things it filters out are needed. The tubule returns these things back to the blood. The waste is sent to your bladder for removal.

The filter has many tiny blood vessels. They have thin walls, so things pass through easily. Waste, water, and smaller molecules all pass through. Everything that is filtered out goes into the tubule.



This diagram of a nephron is from NIH NIKKD's "Your Kidneys & How They Work."

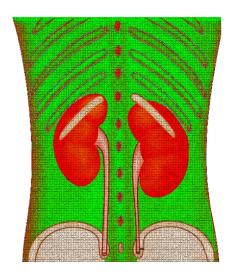
The tubule is next to another blood vessel. It passes the water back into the blood as well as some of the nutrients that were removed by the filtering process in the glomerulus. The waste and extra fluid are sent to the bladder.

Discussion Questions:

- a. What are the key parts of the nephron?
- b. What are the two parts of the nephron and how do they work together?
- c. How is waste removed in this process?

Summarize this reading in one sentence:

Chemicals that Work in Your Kidneys



The kidneys are filters that work on chemicals. Some chemicals tell our kidneys what to do. Other chemicals are affected by the kidneys.

Some chemicals are filtered out in the kidneys. Water is removed from the kidneys. So are other chemicals, like salts, ions, and amino acids. Your kidneys also filter glucose, a type of sugar. Some of these things are filtered out and removed to the bladder. Some of them also go back into the bloodstream. Your kidneys regulate the amount of water and other chemicals in your blood.

Your body also creates Antidiurectic Hormone (abbreviated ADH). ADH regulates the amount of water sent to the bladder and the amount of water returned to the bloodstream. It works in the tubules of the kidneys. ADH encourages the tubules to control how much water is saved and how much is sent away as waste. ADH changes the tubules so they are able to pass more or less water back into the blood.



Chemicals like ADH tell the kidney what to do. Then, the kidney acts on chemicals, like salts, ions, and sugars, to regulate how much stays in our blood.

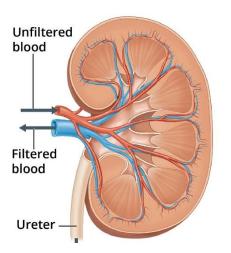
Discussion Questions:

- a. What does it mean that your kidneys regulate the amount of chemicals?
- b. What is the purpose of ADH?
- c. What is glucose?
- d. How is glucose related to your kidneys?

Summarize this reading in one sentence:

The Path Through the Kidneys

Blood flows into your kidneys in the renal artery. (The word renal means related to the kidney. For example, a renal care facility means a facility that helps people care for their kidneys.) The renal artery is large. It branches into many, many smaller blood vessels. These vessels eventually reach the nephrons, which contain the filters that make the kidneys work.



This diagram of a kidney is from NIH NIKKD, "Your Kidneys & How They Work."

Your blood flows into the kidneys many times each day. This makes sure your blood has the right amount of water, sugar, acids, and nutrients. You have two kidneys to handle this important work and they filter a total of 150 quarts of blood in one day.

After the blood passes through the nephrons for filtering, it heads back to the bloodstream. The tiny branches of blood vessels combine and get larger. Eventually, there is just one blood vessel called the renal vein. It carries the filtered blood back to your bloodstream.

The waste, water and other things filtered by the kidneys are passed through the ureter to your bladder. The ureter is a tube like your arteries and veins but it carries liquid to your bladder.

Discussion Questions:

- a. Where does the flow of blood start? Where does it end?
- b. How would you describe how the blood passes into the filters and back into the bloodstream?
- c. Where does the waste flow out of the kidney?

Summarize this reading in one sentence:

The Story: A Visit to the Clinic



Nurse: Good morning, Mr. Turner. What brings you in today?

Mr. Turner: Good morning. I've been feeling really tired lately, and my feet are so <u>swollen</u> I can barely get my shoes on.

Nurse: I see. Swelling can be a sign of a few things. Have you noticed anything else?

Mr. Turner: Well, I feel nauseous sometimes. I thought it was just stress, but now I think it means something more. I also use the bathroom less often than I did.

Nurse: Let's start by going over your medical history. Do you have any health <u>conditions</u> like diabetes or high blood pressure?

Mr. Turner: Yes, I've had diabetes for about ten years. I didn't take it too seriously at first, and honestly, I still struggle to control my sugar levels.

Nurse: Diabetes can put a strain on your kidneys. Have you been eating a lot of sugary or salty foods recently?

Mr. Turner: I've always had a sweet tooth. When I was a kid, I ate candy every day, and even now, I have dessert almost every night. I know it's not great for me, but I didn't think it could do this.

Nurse: Eating a lot of sugar over time can contribute to diabetes and kidney problems. When did the swelling and tiredness start?

Mr. Turner: A few weeks ago. At first, I thought it was just from standing too much, but now it's not going away.

Nurse: Swelling and less urination can mean your kidneys aren't working well. I'd like to do some tests to check how your kidneys are functioning.

Mr. Turner: Okay. Is it serious?

Nurse: We'll know more after the tests. I'm going to draw some blood to measure your creatinine level, which tells us how well your kidneys are filtering waste.

[Time passes, then the nurse returns with the test results.]

Nurse: Mr. Turner, your creatinine level is quite high. This means your kidneys are not filtering waste as they should. Combined with your symptoms, it looks like your kidneys are not working properly.

Mr. Turner: Does this mean I have kidney troubles?

Nurse: Yes, it seems like your kidneys are failing. The diabetes and high sugar intake over time likely <u>contributed</u> to this. We'll need to refer you to a specialist to discuss treatment options, like medication, dialysis, or other care to manage this.

Mr. Turner: I see. I wish I'd been more careful earlier, but I'm ready to do whatever it takes now.

Nurse: That's a good step, Mr. Turner. We'll work together to help you feel better and take care of your kidneys as best as we can.

- 1. What does "sweet tooth" mean?
 - a. allergies to candy
 - c. likes to eat sugary food

- b. type of diabetes
- d. problems with teeth
- 2. What does "contributed" mean?
 - a. helped cause

b. gave money

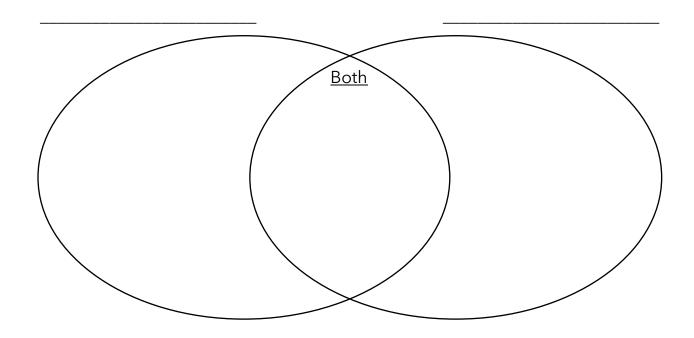
c. asked a question

- d. solved a problem
- **3.** What does "conditions" mean in this reading?
 - a. how bad something looks
 - b. the only reason to do a task
 - c. a sickness or medical problem
 - d. things that make something easier to do
- **4.** Which quote is the best context clue to understand the word "swollen"?
 - a. "I've been feeling really tired lately"
 - b. "I can barely get my shoes on"
 - c. "Swelling can be a sign of a few things"
 - d. "I feel nauseous sometimes"
- **5.** The bottom of the first page says, "Time passes, then the nurse returns with the test results." What is the purpose of this line?
 - a. to describe what will happen in the rest of the story
 - b. to show that the characters will keep talking after a break
 - c. to tell readers that they should stop reading at this part in the story
 - d. to explain why the characters will solve the problem in the story soon

Notes on A Visit to the Clinic

Notes on A Candy Problem

Compare and Contrast the two stories:



Living with Kidney Disease

Maria lives with chronic kidney disease. She had high blood pressure for many years after her grandson was born. She didn't feel very sick, but she was tired and sometimes didn't want to eat any of her favorite food anymore. She thought her high blood pressure may be causing other problems.

Then, she went to her doctor for a normal checkup. Her doctor did some blood tests and found out that Maria's kidneys were working too hard. They were damaged. She would need to take extra care of her kidneys for the rest of her life. So, Maria was diagnosed with chronic kidney disease.

This text is a page from Maria's diary.

Today was a great day! When I woke up, there weren't any clouds in the sky. I took my blood pressure medicine when I ate a tasty breakfast. I cooked some eggs and toast, since Dr. Kelly said they were good for me. I drank my water in the pretty cup that Leo gave me for my birthday. It says, "World's Best Grandma"!



After breakfast, I decided to invite Leo over for the afternoon. He didn't have school, so I thought we could spend some time together. I made sure there were a few healthy snacks at home in case we got hungry. I bought some fresh fruit at the store yesterday, too.

Dr. Kelly said I should get <u>plenty</u> of fresh air and exercise, so Leo and I went for a walk. We got to enjoy the warm summer weather. We even saw some butterflies in the backyard!

I'm so glad Dr. Kelly is helping me care for my kidneys. I remember last year before we found my chronic kidney disease, I was so tired. I think I would have been too tired to play with Leo. I remember how <u>valuable</u> my health is every time I get to have a good day like today. I hope Leo grows up healthy, too!

- **1.** What does "valuable" mean in this text?
 - a. costs a lot of money
 - b. very important to you
 - c. can be hard to take care of
 - d. changes over time to get worse

- 2. Which word means the opposite of "plenty"?
 - a. few

b. first

c. fresh

d. fun

- 3. Who is Leo?
 - a. Maria's doctor

b. Maria's neighbor

c. Maria's son

d. Maria's grandson

4. What is a context clue from the story that helped you answer question #3?

5. Why does the text mention high blood pressure?

- a. High blood pressure can cause kidney disease.
- b. Maria learned she does not really have chronic kidney disease.
- c. Maria's doctor found that her kidneys were hurting her high blood pressure.
- d. Everyone who has chronic kidney disease will always also have high blood pressure.
- 6. What is one effect that chronic kidney disease caused for Maria?
 - a. She was very tired.
 - b. She had high blood pressure.
 - c. She did not eat food that were healthy.
 - d. She could spend more time with her family.
- **7.** Maria drinks water to care for her kidneys. What are **2** other ways she in the diary that she cares for her kidney health? Explain.

- 8. How did Maria find out that she had chronic kidney disease?
 - a. She felt sick.
 - b. She looked for it at a checkup.
 - c. Her doctor did some blood tests.
 - d. Her doctor tested her blood pressure.

How is Maria's life similar to your life?

Outline before you write! Use these guides to help organize your thoughts.

1) Explain what you learned from the text you read.

•	The text I read was about:
	>
•	Give a specific detail you want to focus on:
	>
2) C	onnect what you learned to your future life. My life is like Maria's life because:
	>
•	Explain why this part of your life is similar:
	>
	>
3) St	ummarize your main idea. I learned about:
•	This is like my life because:
•	This connects to me because:

Writing Checklist:
\square Sentences start with a capital letter.
\square Sentences end with a period, question mark, or exclamation point.
☐ Sentences have a subject and a verb.
□ Words are spelled correctly.
□ Main idea is clear.
□ Details explain the main idea.
☐ Handwriting is neat.

Peer Review Questions & Sentence Stems:

- What is this word?
- What is your main idea?
- Can you explain what you mean with this sentence?
- Do you think this sentence would make sense in the next paragraph?
- I think _____ is a great way to say this idea!
- I think _____ may need some more details.
- It looks like _____ in the writing checklist is missing here.