

Class

Name

Vocabulary in Context

- A** Read the passage. Use the highlighted vocabulary words to fill in the blanks to complete the passage.

WORD BOX

Greece can answering named questions beliefs ideas want

It's good that we can all choose what kinds of mass media to use.

We can enjoy news programs, movies, songs, and other media that we like.

But what if someone wants to change something you like?

What if they _____ **want** _____ to **ban** it?

What if you disagree with things other people like?

How would you debate these issues?

In ancient _____ **Greece** _____, there was an **intelligent** philosopher _____ **named** _____ Socrates.

He thought about the best ways to debate ideas.

He created a system of discussion called the Socratic method.

It's one of the best ways to debate an idea.

It's done by asking and _____ **answering** _____ **challenging** questions about an idea.

This helps us to understand why people have **certain** _____ **ideas** _____.

People _____ **can** _____ **confirm** or change their _____ **beliefs** _____ after a **rigorous** debate.

This is useful for questions that don't have a correct answer.

Some _____ **questions** _____ have a **definite**, correct answer.

For example, what is one plus one?

The correct answer is 2. That's not debatable.

These questions usually come from science and math.

However, social questions often don't have a correct answer.

They only have better and worse answers.

For example, what is appropriate music for children?

It's up to people to think, discuss, debate, and decide for themselves.

The Socratic method is one of the best ways to do that.

Structure Writing Practice

B Read each sentence. Correct the mistake and re-write the sentence.

Adjectives with Suffixes

respectful helpful useful wonderful

1. This is **use_** for questions that don't have a correct answer.

This is useful for questions that don't have a correct answer.

2. He is very **helper**.

He is very helpful.

3. The view was so **wonderous**.

The view was so wonderful.

4. He always treats others in a **respectly_** way.

He always treats others in a respectful way.

5. This camera is **usefully_** when I want to capture the moment.

This camera is useful when I want to capture the moment.

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team find prepare teach smartphones various side school

I am a member of the debate team at my school.

Recently, we had an important debate.

For a long time, there has been a ban on students using smartphones during class.

The school administration has been considering changing this rule.

The administration was divided about this issue.

They decided to ask the debate team to debate it.

They split the team into two sides.

I was on the side for changing the rules.

The other side was for continuing the ban.

We had one week to prepare our arguments.

Our side made several good points.

First, we argued that students can use their smartphones for education.

They can do research, find definitions, and use the calculator on their phones.

Second, changing the rule would be a good way to teach self-discipline.

Only educational uses of smartphones are to be allowed in class.

If students use their phone for non-educational purposes, their phones should be taken away.

Finally, changing the rules would make the teachers' job easier.

They wouldn't have to collect and return phones every day.

They also wouldn't need to wait for students to take out and put away ___ various ___ stationery items.

Everything they need is on their phones.

Our ___ side ___ convinced some of the teachers to change their minds.

The next week the administration voted on the issue.

They decided to change the rules.

Structure Writing Practice

B Read each sentence. Correct the mistake and re-write the sentence.

Modal Verbs

could rain could wouldn't would

1. Finally, changing the rules **would_be** make the teacher's job easier

Finally, changing the rules would make the teacher's job easier

2. They **must** have to collect and return phones every day. It's more convenient.

They wouldn't have to collect and return phones every day. It's more convenient.

3. They also **would_to** need to wait for students to take out and put away various stationary items. It's a good news.

They also wouldn't need to wait for students to take out and put away various stationary items. It's a good news..

4. I think it **rain** tomorrow.

I think it could rain tomorrow.

5. If you work harder than others, then you **could_not** be promoted fast.

If you work harder than others, then you could be promoted fast.

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WORD BOX

power these needs dangers will nuclear machines safe

The world desperately _____ **needs** _____ clean, **reliable**, _____ **safe** _____, and sustainable energy.

The element thorium and a machine called the molten salt reactor could meet these energy needs.

But we need the hard work of physicists, engineers, and technicians to make it happen.

Current energy sources work but have problems.

Fossil fuels like coal and oil are reliable but aren't clean or sustainable.

Natural energy like wind and solar power is clean, safe, and sustainable but not reliable.

Nuclear _____ **power** _____ is reliable, and sustainable, but dangerous.

Today's nuclear power plants use a machine called the light water reactor to create energy.

If humans and machines don't **maintain** _____ **these** _____ reactors, they _____ **will** _____ **explode**.

There have already been many incidents like this around the world.

These reactors use the elements uranium or plutonium as fuel.

These are dangerous elements and are used to make _____ **nuclear** _____ **weapons**.

Thorium and the molten salt reactor could **eliminate** the _____ **dangers** _____ of accidents and weapons.

Thorium cannot be easily used to make weapons.

It's clean and reliable.

It's abundant throughout the world.

It also creates about ninety times more energy than uranium.

Molten salt reactors rely on physics, not humans or _____ **machines** _____, to **prevent** malfunctions.

If there was an accident, thorium and a molten salt reactor wouldn't explode.

It would just stop working.

The next generation of scientists could make thorium energy a reality.

Structure Writing Practice

B Read each sentence. Correct the mistake and re-write the sentence.

Modal Verbs

will would cannot be could

1. The element thorium and a machine called the molten salt reactor **could be** meet these energy needs.

The element thorium and a machine called the molten salt reactor
could meet these energy needs.

2. If humans and machines don't maintain these reactors, they **will be** explode.

If humans and machines don't maintain these reactors, they will explode.

3. Thorium and the molten salt reactor **could have** eliminate the dangers of accidents and weapons.

Thorium and the molten salt reactor could eliminate the
dangers of accidents and weapons.

4. Thorium **cannot** easily used to make weapons.

Thorium cannot be easily used to make weapons.

5. If there was an accident, thorium and a molten salt reactor wouldn't explode. It **wouldn't** just stop working.

If there was an accident, thorium and a molten salt reactor wouldn't
explode. It would just stop working.

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WORD BOX

world every communication affordably replace proud new minds

People around the world depend on energy almost every moment of the day.

We need energy for many things, like lighting, heating, communication, and transportation.

Transportation is especially important in today's global economy.

The energy for it must be created and consumed affordably, efficiently, and safely.

Today, the energy sources used for transportation are expensive to make and consume.

They also pollute the environment.

They add harmful gases, like carbon dioxide, into the earth's atmosphere. On top of this, they aren't efficient.

Hydrogen, electric, hybrid, and even solar cars are all available today.

They are a good start to replace vehicles that rely on fossil fuels.

But they are expensive, some still cause pollution, and they need to be refueled often.

Furthermore, most of these cars will only last roughly 10 years before they need to be replaced with a new car.

None of these cars are a real solution to to the problems.

Better energy solutions for transportation are needed now.

Pegasus Motors is ____proud____ to announce_a revolutionary ____new____ car.

The car lasts 100 years. It never needs to be refueled.

The car's energy comes from the nuclear element thorium.

It's affordable and doesn't cause any air pollution.

The clear solution to improve our transportation energy needs is here now, thanks to the

brilliant____minds____ at Pegasus Motors.

Structure Writing Practice

B Read each sentence. Correct the mistake and re-write the sentence.

Modals of obligation

must must be need needs to needed

1. We **don't need** energy for many things, like lighting, heating, communication, and transportation.

We need energy for many things, like lighting, heating, communication, and transportation.

2. The energy for it **must** created and consumed affordably, efficiently, and safely.

The energy for it must be created and consumed affordably, efficiently, and safely.

3. Furthermore, most of these cars will only last roughly 10 years before they **to be** replaced with a new car.

Furthermore, most of these cars will only last roughly 10 years before they need to be replaced with a new car.

4. Better energy solutions for transportation are **need** now.

Better energy solutions for transportation are needed now.

5. It never **needs** be refueled.

It never needs to be refueled.

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WORD BOXby friends celebrated on π circle same places

Pi is a unique number. It has a special place in math.

Math and science lovers celebrate it on a certain day each year.

Pi is a number that goes on forever.

People have calculated it to over 10 trillion decimal places!

This special number is represented by the symbol π .

To keep the math simple, we say π equals 3.14.

Pi is used to find the size of circles.

It is equal to the circumference of a circle divided by the diameter.

The equation is $\pi = C \div d$. Pi is the same value for every circle.

Because it is so special, someone thought of celebrating it.

On March 14th, 1988, physicist Larry Shaw gathered his friends in San Francisco.

They marched around in a circle and ate pies.

In 2009, the US government recognized the day as National Pi Day.

Pi Day is celebrated in different ways.

There are games in which people try to memorize as many decimal places as they can.

There are pie-eating contests. Then, at 3:14 p.m., there are special events.

For example, people get free pies at some parties.

Pi, or π , is not just a number. It's a number that never ends.

This special characteristic is _____celebrated_____ in fun ways on Pi Day.

Structure Writing Practice

B Read each sentence. Correct the mistake and re-write the sentence.

Prepositions of Time

in at on

1. **At** March 14th, 1988, physicist Larry Shaw gathered his friends in San Francisco.

On March 14th, 1988, physicist Larry Shaw gathered his friends in San Francisco.

2. **On** 2009, the US government recognized the day as National Pi Day.

In 2009, the US government recognized the day as National Pi Day.

3. Then, **on** 3:14 p.m., there are special events.

Then, at 3:14 p.m., there are special events.

4. He was born **over** 1989.

He was born in 1989.

5. I went to school **in** 5 p.m.

I went to school at 5 p.m.

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WORD BOX

call pies how apples a good there doing

A: Sorry I missed your call. I was busy doing chores. What are you bringing for Pi Day?

B: I'm bringing apple pies.

A: How many are you bringing?

B: That's what I want to talk to you about. I need to figure out how many pies I need to prepare. There are twenty-seven students, plus the teacher. I'm bad at math, so can you help me calculate how many pies I need to make?

A: How many slices are there in a pie?

B: I'm cutting each pie into eight slices.

A: That means each person gets one eighth, and there are twenty-eight people. Now, one eighth multiplied by twenty-eight is 3.5, so you need three-and-a-half pies.

B: I'll make four whole pies then. It's better to have extra than not enough.

A: Homemade pies are the best! Can I have the leftovers?

B: Sure!

A: You must need a lot of apples.

B: The recipe says I need ten _____ **apples** _____ **per pie**. So I'll need forty apples in total. I wonder how many apples there are in one slice of pie.

A: Well, one eighth multiplied by ten is 125. So, that means one slice has one-and-_____ **a** _____-**quarter** apples.

B: You're _____ **good** _____ at **fractions**! What are you bringing tomorrow?

A: There's going to be lots of pie, so I'm picking up milk from the store.

Structure Writing Practice

B Read each sentence. Correct the mistake and re-write the sentence.

Present Continuous

cutting is are bringing

1. What **is** you brining for Pi Day?

What are you brining for Pi Day?

2. How many are you **bring**?

How many are you bringing?

3. I'm **cut** each pie into eight slices.

I'm cutting each pie into eight slices.

4. What **were** you brining tomorrow?

What are you brining tomorrow?

5. There's going to be lots of pie, so I **are** picking up milk from the store.

There's going to be lots of pie, so I am picking up milk from the store.

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WORD BOX

Impressionist joined style become gave museums mother one

Claude Monet is considered to be one of the greatest artists of all time.

He is a leading figure of the Impressionist art style.

Born in 1840, Monet loved to draw as a child.

He drew in his textbooks during class.

As a teenager, he drew funny pictures of his teachers.

He was so good that some people paid for his drawings.

However, as a young adult, Monet's life became difficult.

When he was 17, his mother passed away.

He joined the army, but he got very sick and left.

Eventually, he decided to study art in Paris.

As a poor artist, life was hard.

Still, Monet went on to become a master of light and color.

In 1872, he painted Impression, Sunrise.

Rather than focusing on detail, it gave the impression of the sun just rising.

Many people think this painting started the Impressionist movement.

A few artists formed a group with Monet.

They enjoyed painting outdoors in the sunlight.

The movement made this style of painting popular.

Despite his hard life, Monet was able to create his own style.

Even today, more than a century after Impression, Sunrise appeared, he is famous for his work. You can view his art in _____ museums _____ and learn about the Impressionist style.

Structure Writing Practice

B Read each sentence. Correct the mistake and re-write the sentence.

Time Clauses and Phrases

when during for

1. In he was 17, his mother passed away.

When he was 17, his mother passed away.

2. I was walking of 3 hours.

I was walking for 3 hours.

3. Be careful which crossing the road.

Be careful when crossing the road.

4. Where the day, Jake was working at his office

During the day, Jake was working at his office.

5. I was in school where you were sleeping at home.

I was in school when you were sleeping at home.

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WORD BOX

this brains side illusion bit looked me moving

Yesterday, I went to an art museum.

I went there to get ideas for my upcoming art project.

There were many different kinds of art there, but I enjoyed the optical illusions the most.

I had never seen an optical illusion at the art museum before.

I got a pamphlet at the museum.

It explained that an illusion is something that looks different from what it actually is.

Optical illusions use colors, lights, and patterns to trick our brains.

We think we see things that aren't really there.

First, I looked at an optical illusion that appeared to be moving.

My brain thought the image was spinning.

Of course, it wasn't really moving.

I felt a little bit dizzy.

Next, I looked at an optical illusion that seemed like it was two different images in one picture.

It was an image of three vases _____ side _____ by side.

In between each vase it looked like two people talking.

I thought _____ this _____ was interesting.

Last, I saw an image that _____ looked _____ like it had slanted, horizontal lines.

The horizontal lines were actually straight.

I tried to focus my eyes, but the lines still looked slanted.

This one confused _____ me _____.

I got some good ideas for my art project by visiting the art museum. I enjoyed learning about optical illusions.

Structure Writing Practice

Ⓑ Read each sentence. Correct the mistake and re-write the sentence.

Linking Verbs

tastes seemed sounds smells was

1. This food **smells** really nice. Because my mom made it.

This food smells really nice. Because my mom made it.

2. Next, I looked at an optical illusion that **saw** like it was two different images in one picture.

Next, I looked at an optical illusion that seemed like it was two different images in one picture.

3. It **tasty** delicious. I like this salad.

It tastes delicious. I like this salad.

4. I thought this **were** interesting.

I thought this was interesting.

5. The story **sounding** sad.

The story sounds sad.