

Name \_\_\_\_\_

characteristics	concerns	disagreed	advancements
resistance	prevalent	inherit	agriculture

Finish each sentence using the vocabulary word provided.


- (characteristics)** Fruits such as lemons and limes \_\_\_\_\_  
\_\_\_\_\_ .
- (prevalent)** During the wintertime \_\_\_\_\_  
\_\_\_\_\_ .
- (agriculture)** She went to college to \_\_\_\_\_  
\_\_\_\_\_ .
- (inherit)** Many parents hope their children \_\_\_\_\_  
\_\_\_\_\_ .
- (disagreed)** Some of the fans at the soccer game \_\_\_\_\_  
\_\_\_\_\_ .
- (concerns)** At the neighborhood meeting, \_\_\_\_\_  
\_\_\_\_\_ .
- (advancements)** Computers and cell phones \_\_\_\_\_  
\_\_\_\_\_ .
- (resistance)** To avoid getting sick, \_\_\_\_\_  
\_\_\_\_\_ .

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Name \_\_\_\_\_

**Read the selection. Complete the author's point of view graphic organizer.**

<b>Details</b>



<b>Author's Point of View</b>
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Name \_\_\_\_\_

Read the passage. Use the reread strategy to help you understand the text.

## Is Nuclear Energy Safe?

12 Atoms are the tiny things that make up everything in the universe.  
26 At the center of an atom is the nucleus. The energy that holds the  
35 nucleus together is called nuclear energy. Scientists have discovered  
49 how to use that energy as power in our everyday lives. This energy is  
cheap and clean. But there are dangers as well.

### 58 Going Nuclear

60 In the 1930s, physicists learned how to use the energy inside atoms.  
72 They split the atom. This released a huge amount of energy. This was  
85 exciting to many people. We get much of our power from oil and coal.  
99 But people knew that oil and coal would not last forever. Nuclear  
111 energy was much easier to come by. It was a great discovery!

123 Nuclear power plants have many benefits. They do not release  
133 harmful chemicals into the air. The waste that is produced is in solid  
146 form. This makes it easier to control. Also, there is a very small  
159 amount of waste compared to other ways of making energy.

169 Nuclear power plants last much longer than coal plants. They can  
180 sometimes last sixty years. Plus, nuclear power plants use only a tiny  
192 amount of fuel to make energy. That means we could make nuclear  
204 energy for many generations.

Name \_\_\_\_\_

**Problems with Waste**

Sadly, there are serious problems with nuclear power. The first problem is the waste that is produced. It is true, the waste is very small. Yet it is highly toxic. Physicians have discovered it can cause severe illness. It has to be contained. Sometimes though, the waste leaks out. It can get into drinking water. The waste can cause cancer in humans.

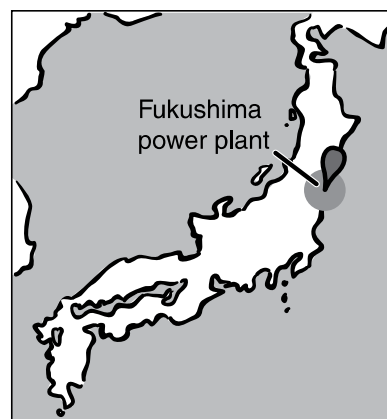
**Japan Earthquake Disaster**

It is true that accidents are rare. However, they can be very bad if they happen. In 2011, there was a large earthquake in Japan. As a result, one of the nuclear power plants was destroyed. The event is too recent to know all the effects it might have. Still, scientists believe that when the disaster is finally chronicled, it will prove to be one of the worst nuclear disasters ever.

Thousands of people had to be moved away from the plant. Waste leaked into the ocean. The cleanup will be long. It will take decades and it will be very costly.

**Being Careful**

There is no doubt that nuclear energy can be very good. It can give us energy. It can be safe and cheap. But it can also be dangerous. If we must use it, then we must use it carefully.



**Five days after the earthquake, the U.S. government advised Americans within 50 miles of the plant to leave.**



Name \_\_\_\_\_

**A. Reread the passage and answer the questions.**

**1. According to paragraph 2, what is one way that nuclear energy is better than energy from coal and oil?**

\_\_\_\_\_

\_\_\_\_\_

**2. According to paragraphs 3 and 4, what is one of the benefits of nuclear power?**

\_\_\_\_\_

\_\_\_\_\_

**3. List two problems with nuclear energy that the author names in the text.**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**4. What is the author's point of view on nuclear energy?**

\_\_\_\_\_

\_\_\_\_\_

**B. Work with a partner. Read the passage aloud. Pay attention to rate. Stop after one minute. Fill out the chart.**

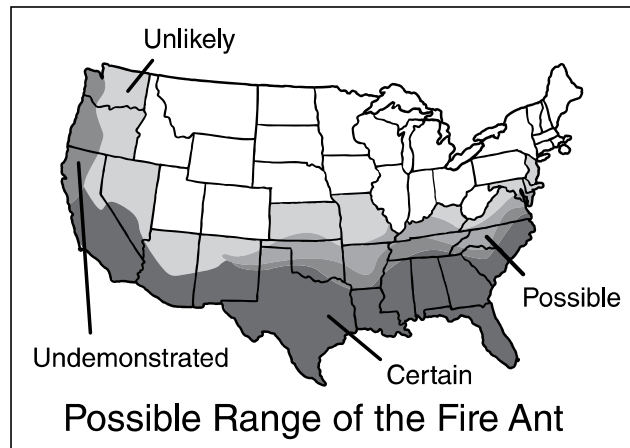
	Words Read	–	Number of Errors	=	Words Correct Score
First Read		–		=	
Second Read		–		=	

Name \_\_\_\_\_

## Should We Use a Virus to Stop Fire Ants?

The fire ant has been an unwelcome guest in the United States ever since its arrival in 1930. Each year, fire ant colonies cause billions of dollars of damage. This much money could be put to better use.

Luckily, scientists have discovered a virus that may help control fire ant colonies. The SINV-1 virus is capable of destroying an infected colony in three months. Scientists' efforts to turn SINV-1 into a pesticide will save citizens a lot of money.



Answer the questions about the text.

1. How do you know this text is a persuasive article?

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2. What is the author's opinion about the SINV-1 virus?

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3. What text feature is included? According to the text feature, how is the range of the fire ant changing?

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Name \_\_\_\_\_

Greek Root Meanings*phys* – nature or body*dec* – ten*gen* – birth or kind*chron* – time

**Read each passage below. Use the Greek roots from the box above along with context clues to find the meaning of each word in bold. Write the meaning on the line.**

1. In the 1930s, **physicists** learned how to use the energy inside atoms. They split the atom.  
\_\_\_\_\_
2. Nuclear power plants last much longer than coal plants. They can sometimes last sixty years. Plus, nuclear power plants use only a tiny amount of fuel to make energy. That means we could make nuclear energy for many **generations**.  
\_\_\_\_\_
3. Waste leaked into the ocean. The cleanup will be long. It will take **decades** and it will be very costly.  
\_\_\_\_\_
4. A nuclear weapon was used in World War II. John Hersey **chronicled** the events in his true story, *Hiroshima*.  
\_\_\_\_\_

## Compound Words/Roots and Related Words

Name \_\_\_\_\_

**A. Read each sentence and circle the compound word. Then write the meaning of the compound word based on the smaller words.**

1. There was a terrible snowstorm yesterday.

**Meaning:** \_\_\_\_\_

2. This new jacket is both warm and waterproof.

**Meaning:** \_\_\_\_\_

3. Did you like to eat peanut butter and jelly sandwiches?

**Meaning:** \_\_\_\_\_

4. She jumped off the diving board and landed with a splash.

**Meaning:** \_\_\_\_\_

**B. Read the words in the box. Sort them under their related roots below.**

refresher  
collectible

movement  
unfamiliar

collection  
freshen

familiarize  
remove

**collect**

1. \_\_\_\_\_

2. \_\_\_\_\_

**family**

3. \_\_\_\_\_

4. \_\_\_\_\_

**fresh**

5. \_\_\_\_\_

6. \_\_\_\_\_

**move**

7. \_\_\_\_\_

8. \_\_\_\_\_

Name \_\_\_\_\_

*Evidence* is details and examples from a text that support a writer’s opinion. The student who wrote the paragraph below cited evidence that supports the opinion that the author did a good job of presenting information in a compare-and-contrast text structure.

<b>Topic sentence</b>	→	In “Is Nuclear Energy Safe?” I think the author does a good job of comparing and contrasting the benefits and dangers of nuclear energy.
<b>Evidence</b>	→	In the section “Going Nuclear,” the author discusses the advantages of nuclear power. For example, nuclear power plants last longer than coal plants.
<b>Concluding statement</b>	→	In the section “Problems with Waste,” the author explains that the waste produced by nuclear power plants is toxic and can cause cancer. I think the author does a good job of using a compare-and-contrast text structure to show what is good and bad about nuclear energy.

**Write a paragraph about the text you have chosen. Tell how well the author used a compare-and-contrast text structure to present information about a topic. Cite evidence from the text. Remember to link your opinions and reasons using words and phrases while using irregular verbs correctly.**

Write a topic sentence: \_\_\_\_\_

\_\_\_\_\_

Cite evidence from the text: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

End with a concluding statement: \_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

**A. Read the draft model. Use the questions that follow the draft to help you think about the writer's audience.**

### **Draft Model**

Technology is cool. It's got this way of making things easier. It does stuff like help people keep up with pals and find important info.

1. Who might be the audience for this writing?
2. What words and details could be added or deleted to make the purpose clearer?
3. What words in the model could be replaced to create a more formal tone?
4. What words and details could be added or deleted to appeal to the audience even more?

**B. Now revise the draft by adding or replacing language to make the tone more formal.**

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