

Warm-Up

Summarizing Central Ideas and Purpose: *The Hot Zone*



Lesson Question



Lesson Goals

Read from *The Hot Zone* by Richard Preston.

Summarize

Discover an author's

Recognize and define



Words to Know

Fill in this table as you work through the lesson. You may also use the glossary to help you.

context	words or <input type="text"/> that come before and after a word, event, or idea and clarify its <input type="text"/>
objective	not influenced by feelings or opinions; based on <input type="text"/>

W
2K**Words to Know**

central ideas	the author's most important <input type="text"/> in a text, supported by key <input type="text"/>
jargon	words that are specific to a <input type="text"/> or profession
summarize	to state the central <input type="text"/> of a text in one's own words

**The Importance of Science**

Many things that can go wrong in society are related to . Several movies and books play on our heartstrings, telling us stories about science that feature like widespread disease or even a meteor hitting the earth.

These fictional stories captivate people of all ages because of the possibility that something like this could actually .

Although the text that we'll read in this lesson is based on a event, it is actually written as a story. The underlying idea that the events described actually happened makes it a fascinating story. Coming up next, you'll be thinking about the of science.

Understanding Technical Language

Using specific vocabulary allows an author to the meaning of a text clearly.

is used to:

- make a text authentic and .
- help the text be taken seriously.
- include terms that are to the intended audience.

Underline the technical phrases or words in the excerpt.

They shuffled back across the staging area to the airlock door that led to Level 4. She picked up a metal pan containing tools. She was getting warm, and her faceplate fogged up. They opened the airlock door and stepped in together.

–The Hot Zone,
Richard Preston

Instruction

Part 1

Summarizing Central Ideas and Purpose: *The Hot Zone*

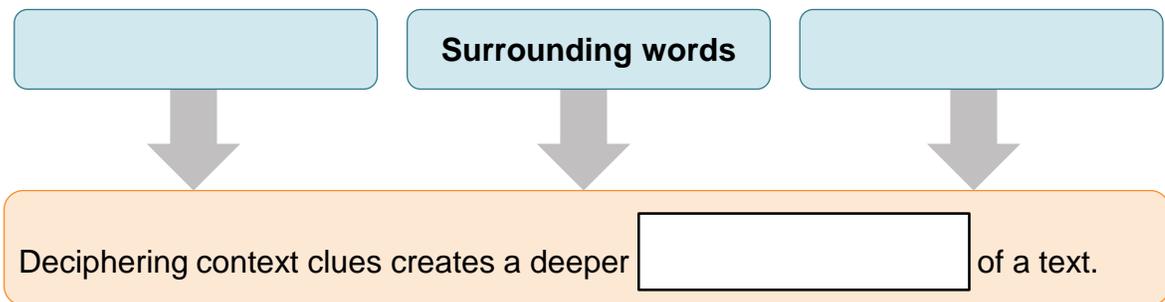
Slide

4

Using Context Clues to Decipher Word Meaning

clues are words or actions that come before and after a word, event, or idea and clarify its meaning.

Complete the graphic organizer.

**Using Context Clues to Decipher Word Meaning: Example**

Underline the context clues to help the reader determine the meaning of “lesions” in this excerpt.

She took up a scalpel and slit the monkey’s abdomen, making a slow and gentle cut, keeping the blade well away from her gloved fingers. The spleen was puffed up and tough, leathery, like a globe of smoked salami. She did not see any bloody lesions inside this monkey. She had expected that the monkey’s interior would be a lake of blood, but no, this monkey looked all right, it had not bled into itself. If the animal had died of Ebola, this was not a clear case.

–The Hot Zone,
Richard Preston

Instruction

Part 1

Summarizing Central Ideas and Purpose: *The Hot Zone*

Slide

6

Consulting a Dictionary

Underline the correct definition for “decontamination” as used in the excerpt.

You can't bring your security card with you into the higher levels. A security card would be melted or ruined by chemicals during the decontamination process.

—The Hot Zone,
Richard Preston

Decontaminate:

de • con • tam • i • nate

[DE con tam in nayt] *tr.v.*

1. To remove contamination

2. To make safe by eliminating poisonous or otherwise harmful substances, such as noxious chemicals or radioactive material

de-con-tam-i-nant *n.*

de-con-tam-i-na-tion *n.*

9

Identifying the Central Idea

are the author's most important ideas in a text, supported by key details.

Complete the graphic organizer.



- Locate the general topic of the text.

- Look for details or words that support an idea.

- Analyze boldfaced titles or headings for

Instruction

Part 1

Summarizing Central Ideas and Purpose: *The Hot Zone*

Slide

9

Identifying the Central Idea: Example*Underline the topic of the excerpt.*

Once the cells in a biological machine stop working, it can never be started again. It goes into a cascade of decay, falling toward disorder and randomness. Except in the case of viruses. They can turn off and go dead. Then, if they come in contact with a living system, they switch on and multiply. The only thing that “lived” inside this monkey was the unknown agent, and it was dead, for the time being. It was not multiplying or doing anything, since the monkey’s cells were dead. But if the agent touched living cells, Nancy’s cells, it would come alive and begin to amplify itself. In theory, it could amplify itself around the world in the human species.

–The Hot Zone,
Richard Preston

11

Identifying the Author’s Purpose*Underline the sentence that indicates the sense of danger in the excerpt.*

Ask questions while reading to help you identify the author’s .

- What kind of text is this?
- What is the idea?
- How does this text make me feel?

As to whether the operation was safe, the only way to know was to try it. Peters felt that the larger danger could come from sitting back and watching the virus burn through the monkeys. There were five hundred monkeys inside that building. That was about three tons of monkey meat – a biological nuclear reactor having a core meltdown. As the core of monkeys burned, the agent would amplify itself tremendously.

Slide

13

***The Hot Zone* by Richard Preston (1995)**

- Is a nonfiction book based on events that took place from 1980 to 1993
- Follows a company in Reston, Virginia, that buys for animal testing
- Explains that one shipment had monkeys that were sick and very quickly
- Focuses on what happened after it was discovered that the monkeys had the virus

Instruction

Part 2

Summarizing Central Ideas and Purpose: *The Hot Zone*

Slide

2

Learning How to Summarize

- To a text:
 - Start by identifying the type of work, the title, the author, and the central idea.
 - Include key supporting details of the passage in your (paraphrase).
 - Write an analysis of the text.

4

Understanding Objectivity

An summary is based on , not influenced by feelings or opinions.

Example:

In the nonfiction text *The Omnivore's Dilemma: A Natural History of Four Meals*, author Michael Pollan presents the relationship between food and American society in a new light. Published in 2006, the book explains the effects of new technologies that have made virtually any food available for consumers.



Summary

Summarizing Central Ideas and Purpose: *The Hot Zone*



**Lesson
Question**

How does an author develop central ideas to achieve a goal?



Answer

Use this space to write any questions or thoughts about this lesson.