



Essential Question

What are the consequences of technology?

Preview Before you begin this chapter, think about the Essential Question. Understanding how the Essential Question connects to your life will help you understand the chapter you are about to read.

Connect to Your Life

- Technology is a way of using science for practical purposes. Think of the technology you use from the time you wake up in the morning until you arrive at school. List the items in the table along with the effect of each. Then write whether the effect is positive or negative.

| Ways Technology Affects My Life | | |
|---------------------------------|------------|-----------------------|
| Technology | Its Effect | Positive or Negative? |
| | | |
| | | |
| | | |
| | | |
| | | |

- Now reach an overall conclusion as to whether technology always improves people's lives. What, if any, problems can it cause?

Connect to the Chapter

- Preview the chapter by skimming the chapter's heads, photographs, and graphics. In the table below, name a Stone Age technological advance for each category. Then predict how that technology contributed to human economic and cultural development.

| | Technology | Prediction |
|-----------------------------|------------|------------|
| Preparing food | | |
| Hunting | | |
| Shelter | | |
| Protection from the weather | | |

- Read the chapter. Then review the predictions you listed in the table. Circle the predictions that were correct.



Name _____ Class _____ Date _____

Connect to myStory: Mary Leakey: Exploring the Stone Age

- ① Think about your favorite activities and places. How are they similar to or different from young Mary Nicol's?

- ② Now think about the questions Mary wanted to answer with her work, and the skills she used to search for answers. What questions about the world would you like to answer in the future? What skills would you use to search for answers? Use this table to compare your main questions and skills with Mary's.

| Your Questions and Skills | Mary Leakey's Questions and Skills |
|---------------------------|------------------------------------|
| | |

- ③ In the first box of the flowchart below, list the discoveries Mary Nicol Leakey made. Then list what researchers learned from those discoveries. Finally, list questions Mary Leakey's story raises about the search for early humans.



- ④ How do you think technology affects the effort to understand *Homo Habilis* and other early humans?

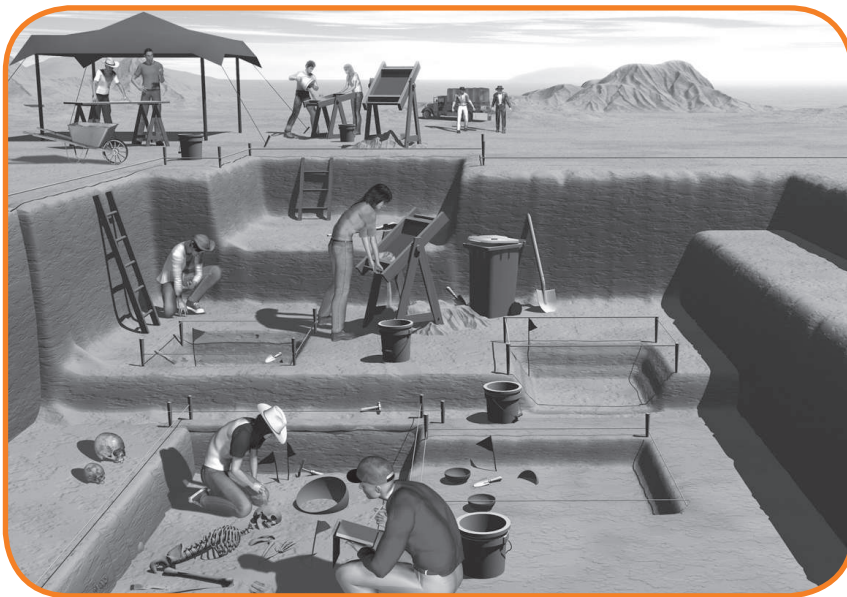
Name _____ Class _____ Date _____

Word Wise

Sentence Builder Complete the sentences using the information you learned in this section and the key terms below.

| | |
|--------------|---------------|
| anthropology | archaeologist |
| prehistory | fossil |
| geologist | artifact |

- ① Mary Leakey and other researchers studied people who lived long ago in _____.
- ② Scientists in the field of _____ study how ancient human groups behaved.
- ③ An _____ examines the things humans from long ago left behind.
- ④ A rocklike copy of a plant, a feather, or a bone is a _____.
- ⑤ A tool, pot, or weapon from early human society is called an _____.
- ⑥ A _____ uses layering as a way to determine the age of prehistoric objects.





Name _____ Class _____ Date _____

Take Notes

Identify Main Ideas and Details Scientists who study the earliest human history are on a journey of discovery. For each part of the journey listed below, give details that tell more about the main idea.

Studying the Distant Past

Many kinds of scientists work together to study early humans.

- Scientists have discovered several important clues to early human life.

- Many questions still exist about the beginnings of human life.

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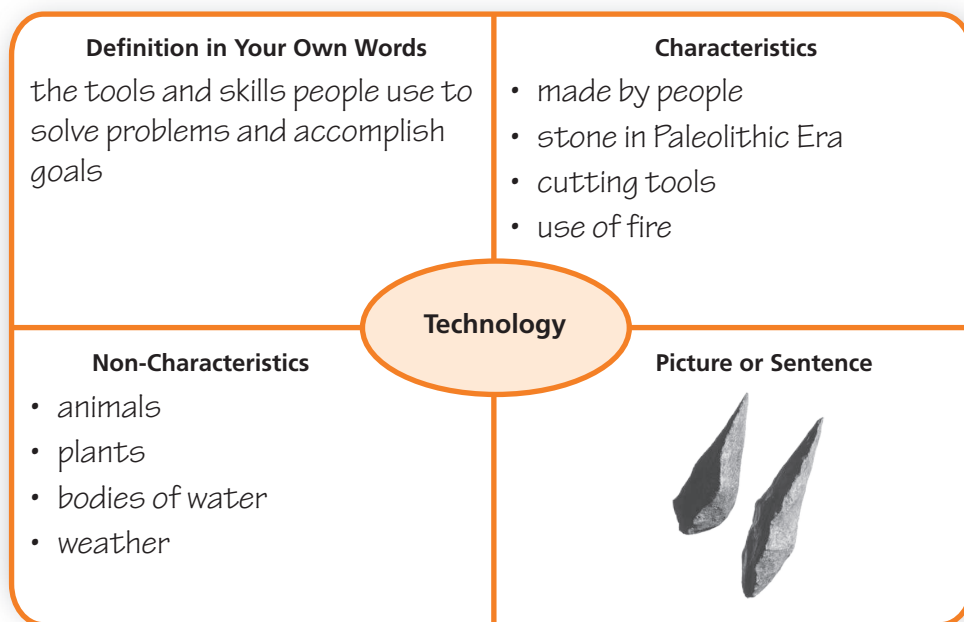
Essential Question

Modern archaeologists make use of both hand tools and advanced scientific equipment. Why do you think both types of technology are necessary?

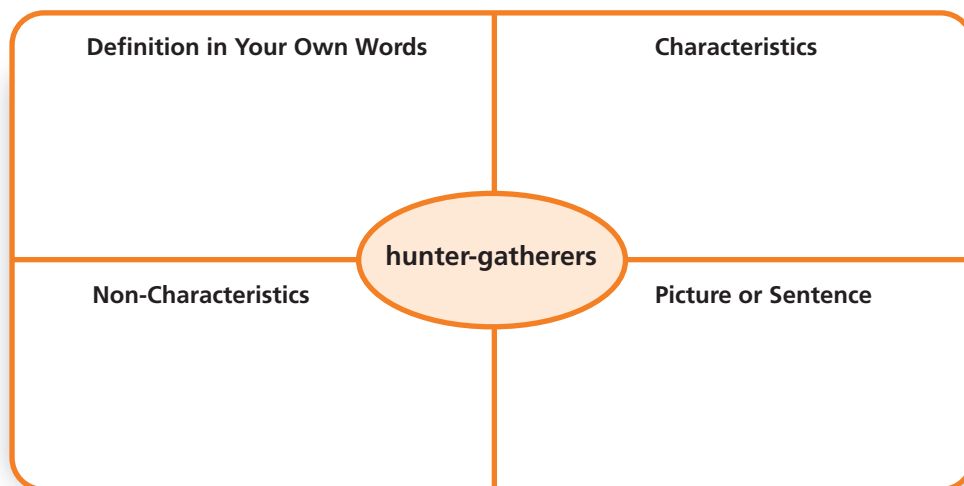
Name _____ Class _____ Date _____

Word Wise

Word Map Follow the model below to make a word map. The key term *technology* is in the center oval. Write the definition in your own words at the upper left. In the upper right, list Characteristics, which means words or phrases that relate to the term. At the lower left, list Non-Characteristics, which means words and phrases that would *not* be associated with it. In the lower right, draw a picture of the key term or use it in a sentence.



Now use the word map below to explore the meaning of the word *hunter-gatherers*. You may use your student text, a dictionary, and/or a thesaurus to complete each of the four sections.



Make word maps of your own on a separate piece of paper for these words: *culture* and *nomad*.



Name _____ Class _____ Date _____

Take Notes

Analyze Cause and Effect Use what you have read about hunter-gatherer societies to list ways that each change shown affected early human life.

| Development of Tools | Use of Fire | Development of Language | Development of Culture |
|--------------------------------------|-------------------------------------|-----------------------------------------|----------------------------------------|
| ↓ | ↓ | ↓ | ↓ |
| Because of tools, early humans could | Because of fire, early humans could | Because of language, early humans could | Because of culture, early humans could |
| | | | |
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Essential Question

Choose one technological advance from this section. How did that technology benefit Stone Age people? How could that technology have unexpected results?

Name _____ Class _____ Date _____

Word Wise

Vocabulary Quiz Show Some quiz shows ask a question and expect the contestant to give the answer. In other shows, the contestant is given an answer and must supply the question. If the blank is in the Question column, write the question that would result in the answer in the Answer column. If the question is supplied, write the answer.

QUESTION

① What word describes what people do when they spread out and live in almost every land area of the world?

② _____

③ What is the name for groups of families with a common ancestor?

④ _____

⑤ What do you call the belief that the natural world is filled with spirits?

⑥ _____

ANSWER

① _____

② migration

③ _____

④ adapt

⑤ _____

⑥ environments

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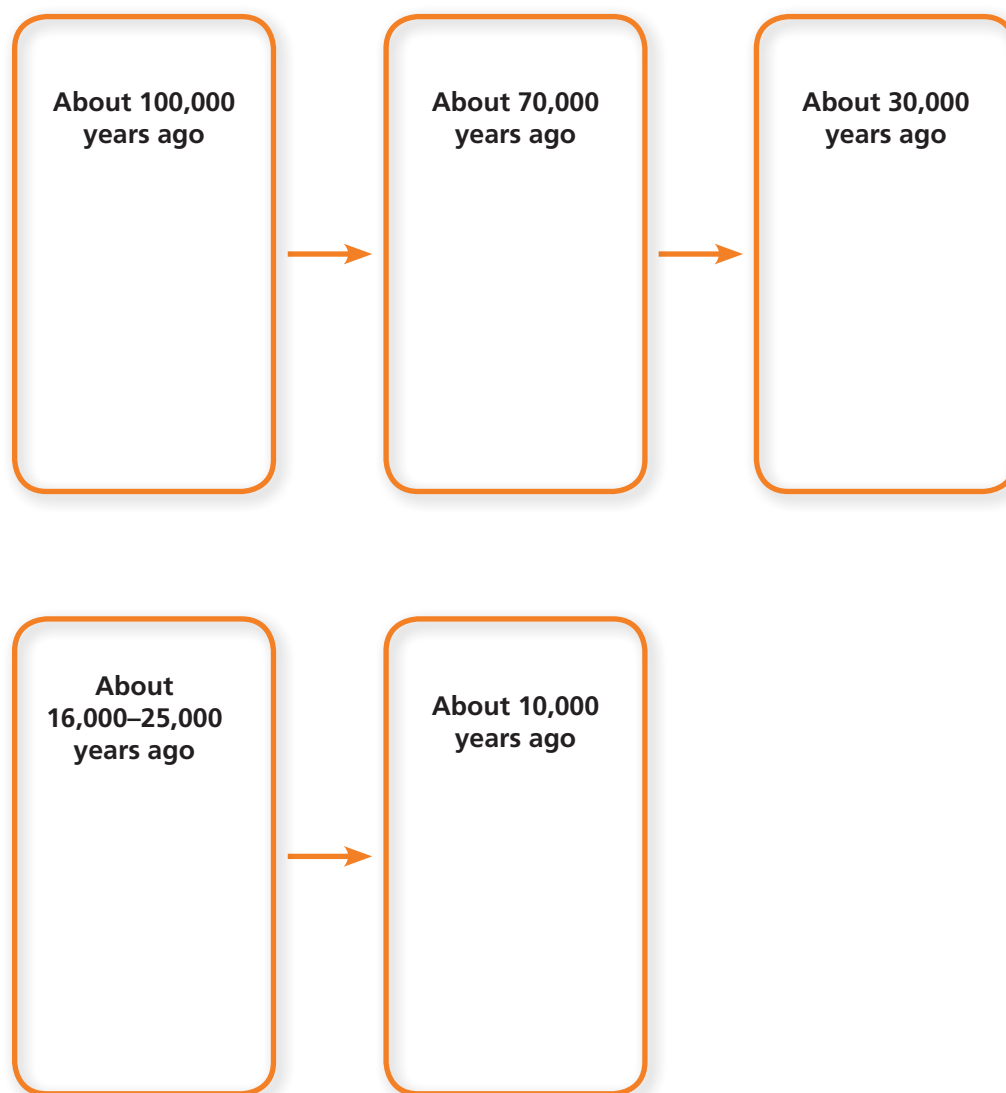




Name _____ Class _____ Date _____

Take Notes

Sequence As they populated Earth, early humans changed in many ways. Use information from *Populating the Earth* to complete the flowchart with some of these changes in the order in which they took place.



Essential Question

What technology helped people adapt to the last Ice Age? What other skills and tools would have helped Ice Age people survive?

**Essential Question** **Writer's Workshop****What are the consequences of technology?****Prepare to Write**

Throughout this chapter, you have explored the Essential Question in your text, journal, and On Assignment at myworldhistory.com. Use what you've learned to write an essay describing the consequences of technology for early peoples. Make sure to describe some of the early technology and explain why it is important.

Workshop Skill: Understand the Four Types of Essays

First you must decide what type of essay you want to write. There are four essay types: narrative, expository, research, and persuasive.

Narrative Essay This essay is similar to a story. It has characters, a setting, and a plot.

- The characters are the people that the story is about, and the setting is the time and place in which the story happens.
- The plot is the sequence of events that take place. Plots include conflict and lead up to a climax, which is the turning point of the story.

Expository Essay This essay has a main idea supported by evidence and examples.

- An introductory paragraph opens with a thesis sentence that states the main idea.
- The introduction is followed by body paragraphs. Each one discusses a point that supports the main idea. Evidence and examples show that the supporting points are true.
- The conclusion sums up the essay by restating the thesis and supporting points.

Research Essay This essay has the same structure as an expository essay. The difference lies in the type of evidence used to prove supporting points.

- Evidence and examples should come from a broad range of reliable sources.
- Writers use quotations, footnotes, and a bibliography to show where they found the evidence used in the essay.

Persuasive Essay This essay is written when the author wants to persuade readers to adopt an opinion or to take action.

- The introduction tells why the topic is important. Then the thesis statement explains what the writer wants readers to think or do.
- In the body paragraphs, the writer uses both arguments and evidence to prove the supporting points.
- The conclusion reviews the main points and urges the reader to adopt the opinion or to take the action mentioned.

Identify Essay Types

Use what you have learned to identify the different essay types. Read the four descriptions in the table below. In the column on the right, write if the essay described is a narrative, expository, research, or persuasive one.

| Essay Description | Type |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| 1. The essay tries to convince readers that modern <i>Homo sapiens</i> developed separately in different parts of the world. | _____ |
| 2. The essay examines whether <i>Homo sapiens</i> first developed in Africa. It contains graphs, charts, statistics, and quotations from anthropologists. Sources are listed in footnotes. | _____ |
| 3. The essay states that the creation of technology helped humans to survive in hostile environments. It explains three major technologies in prehistory. | _____ |
| 4. The essay is a story that tells about the experiences of a young archeologist on her first expedition to Africa. | _____ |

Plan Your Essay

Use the following questions to help you make some decisions about your essay.

- 1 What do I want to say about the development of technology?

- 2 Do I want to tell a story, explain an idea, present evidence, or persuade others about something?

- 3 What type of essay will best help me accomplish my goal?

Organize Your Essay

Now that you have decided on an essay type, outline your essay. Remember to have an introductory paragraph, three body paragraphs, and a conclusion. Then create your outline.

Draft Your Essay

Write your essay using the outline you created. When you have finished, proofread your essay.