

# DAY 6: 6th Grade

ELA

MATH

SCIENCE

SOCIAL STUDIES

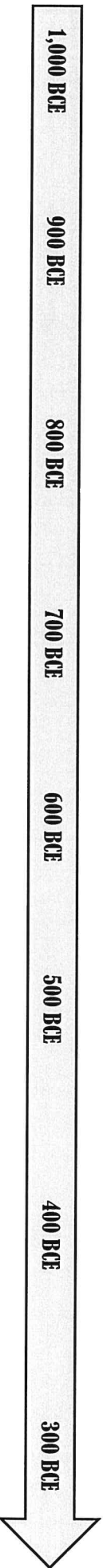


6th Day 6

# TIMELINE OF ANCIENT GREECE

**Directions:** Place the following events on the timeline and draw images or symbols for at least 4 of them.

- |                                       |                                    |  |
|---------------------------------------|------------------------------------|--|
| Sparta is founded (900 BCE)           | Peloponnesian War ends (404 BCE)   | End of Mycenaean Civilization (1,000 BCE)                |
| Battle of Salamis (480 BCE)           | First Olympic Games (776 BCE)      | Delian League is created (478 BCE)                       |
| Darius I invades Greece (492 BCE)     | Homer writes the Iliad (762 BCE)   | Democracy begins in Athens (510 BCE)                     |
| Solon takes power in Athens (594 BCE) | Plato founds his Academy (380 BCE) | Alexander the Great becomes ruler of Macedonia (336 BCE) |



What time period marked the "Golden Age" of Greek culture? Why is it described that way?



# Lesson #106

Day 6

## The Geologic Time Scale

Many people use a journal to keep track of life's events. As each event is recorded, the journal becomes a story line. It tells what happened and when it occurred. Just as a journal organizes a person's history, scientists have organized Earth's history into a meaningful framework. This framework is called the **geologic time scale**.

The geologic time scale is a record of Earth's major events. Many of these events have shaped Earth's surface. Volcanoes erupted, ice caps grew and receded, and continents moved. Meanwhile, living things came into being, organisms evolved, and species went extinct. The geologic time scale describes the order and duration of these events. It helps us understand when coal began forming in the swamps of North America and that dinosaurs came before mammals.

Study the geologic time scale. The history of Earth is divided into blocks of time. The largest categories, called eons, are divided into eras, which are divided into periods, and so on. The oldest time is shown at the bottom of the time scale. The first eon, the Hadean, represents the time before there was life on Earth.

These chunks of time are characterized by the life forms that were present and the geologic activity that occurred. For example, the Ordovician period is the time when plants and animals first lived on land. The Triassic period is the age of the dinosaurs. It is also when the supercontinent Pangea began to break apart.

The geologic time scale is a record of Earth's vast history. What rules and evidence did scientists use to develop this valuable tool?

The geologic time scale often shows the organisms that appeared during that time period.

Eon	Era	Period	MYA	
Phanerozoic	Cenozoic	Quaternary	humans	
		Neogene	large mammals	
		Paleogene	many types of mammals	
	Mesozoic	Cretaceous	flowering plants, many dinosaurs	66
		Jurassic	first birds	
		Triassic	first dinosaurs, first mammals, conifers	251
	Paleozoic	Permian	many reptiles	
		Carboniferous	first reptiles, tree-sized ferns	
		Devonian	first insects, first amphibians	
		Silurian	land plants	
Ordovician		first life-forms		
Proterozoic		Cambrian	trilobite, jellyfish, first fish	
			first algae, sponges, animals with shells	542
Archean			2,500	
		first life-forms simple bacteria	4,000	
Hadean		no life-forms	4,600	

\*MYA = million years ago



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1. The geologic time scale is a record of Earth's major events. What are some of these events? Underline your answer in the text.
  
2. The geologic time scale covers \_\_\_\_\_ years of Earth's history.
 

A) the first million	C) the entire 4.6 billion
B) the most recent	D) most important
  
3. The geologic time scale divides Earth's history into blocks of time. The largest categories are (periods / eons / eras). These are divided into (periods / eons / eras). And those are divided into smaller blocks called (periods / eons / eras).
  
4. During the \_\_\_\_\_ eon, there were no life-forms present on Earth.
 

Hadean	Archean	Proterozoic	Phanerozoic
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5. The geologic time scale indicates when organisms first came into being and when they went extinct. During which era did the first birds appear on Earth?
 

Paleozoic	Mesozoic	Cenozoic
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6. During which period did flowering plants first appear?
 

Cambrian	Devonian	Cretaceous	Neogene
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7. Write **C** for comet, **A** for asteroid, or **B** for both.
 

_____ made of rock and ice	_____ formed outside the frost line
_____ made of rock	_____ formed inside the frost line
_____ orbits the sun	_____ formed as the solar system was forming
  
8. Where do comets originate? Write **S** for short-period comet or **L** for long-period comet.
 

_____ Oort cloud	_____ Kuiper Belt
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**FUN  
FACT!**

Earth formed around 4.6 billion years ago. How long ago was that? Imagine counting one number per second. Counting that way to 4,600,000,000 would take almost 150 years!

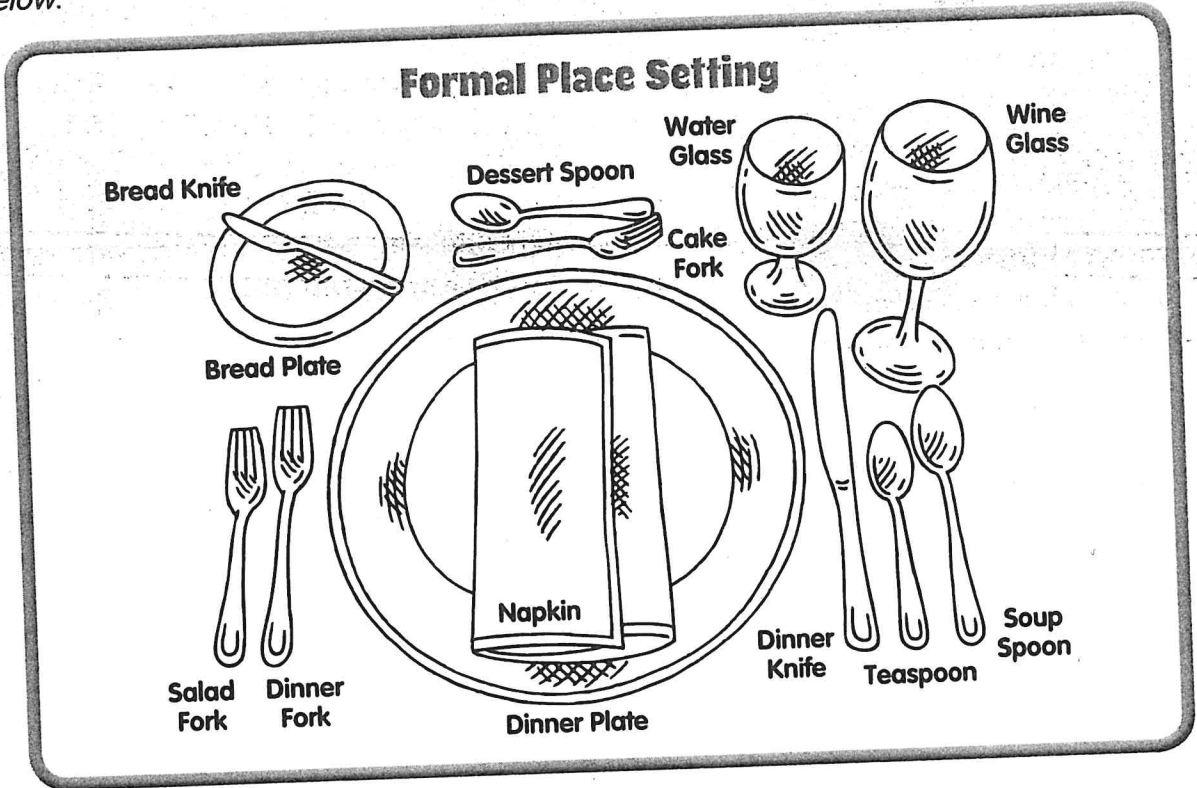




# Place Setting

6th NTF Day 6

**Activity:** Look at the diagram below. Then, write a step-by-step set of directions for how to set a table for a formal dinner. Use words and phrases like *first*, *second*, *next to*, *to your left*, *right*, *above*, and *below*.




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# 11 RELATIVE PRONOUNS

A relative pronoun appears at or near the beginning of a subordinate clause and connects it to another idea in the same sentence.

The five most common relative pronouns are *that*, *which*, *who*, *whom*, and *whose*.

## PRACTICE A Identifying Relative Pronouns

Read each sentence. Then, on the line provided, write each subordinate clause, and circle the relative pronoun.

**Example:** The house that Jack built is huge.

**Answer:** (that) Jack built

1. My position, which I've stated before, is this: The curfew is too early. \_\_\_\_\_
2. The girl who collects vintage postcards is named Nanette. \_\_\_\_\_
3. He is the singer whom Simon Cowell discovered. \_\_\_\_\_
4. The student whose essay is chosen gets a prize. \_\_\_\_\_
5. The leaves that are on oak trees turn red in the fall. \_\_\_\_\_
6. Darryl, whom I overheard, said he was leaving. \_\_\_\_\_
7. The friend whom I called did not answer. \_\_\_\_\_
8. The mouse that ran the maze is called Shep. \_\_\_\_\_
9. That is the author whose new book was just reviewed. \_\_\_\_\_
10. Photosynthesis, which lets plants turn sunlight into food, is a useful process.  
\_\_\_\_\_

## PRACTICE B Supplying Relative Pronouns

Read each sentence. Then, fill in the blank with the appropriate pronoun.

**Example:** Our server was the girl \_\_\_\_\_ hair is braided.

**Answer:** whose

1. The publisher of the newspaper \_\_\_\_\_ I read is going out of business.
2. The filter, \_\_\_\_\_ cleans drinking water, goes here.
3. Pat is a carpenter \_\_\_\_\_ can build or fix anything.
4. We need a speaker \_\_\_\_\_ our audience will like.
5. I don't know \_\_\_\_\_ gloves those are.
6. The team \_\_\_\_\_ plays better defense will win.
7. The carpet, \_\_\_\_\_ is very old, needs to be replaced.
8. Did your mother say \_\_\_\_\_ she voted for?
9. I don't know \_\_\_\_\_ he is.
10. The man \_\_\_\_\_ phone rang was kicked out of the performance.

## Writing and Speaking Application

Write a three- or four-sentence explanation of how to do something, using at least four relative pronouns. Then, take turns reading your sentences with a partner. Your partner should listen for and identify the relative pronouns.

## 12 INTERROGATIVE PRONOUNS

An interrogative pronoun is used to begin a question.

The five most common interrogative pronouns are *what*, *which*, *who*, *whom*, and *whose*.

### PRACTICE A Identifying Interrogative Pronouns

Read each sentence. Then, on the line provided, write each interrogative pronoun.

**Example:** What time is it?

**Answer:** What

1. Which of the movies did you see? \_\_\_\_\_
2. Who told you that he was visiting? \_\_\_\_\_
3. To whom should I address the letter? \_\_\_\_\_
4. Whose are those glasses? \_\_\_\_\_
5. What is the reason he gave for leaving early? \_\_\_\_\_
6. Which of these outfits do you like better? \_\_\_\_\_
7. Who left the gate open? \_\_\_\_\_
8. For whom is that gift basket intended? \_\_\_\_\_
9. Both of our cars are spacious; whose should we use? \_\_\_\_\_
10. Tell me, what does that symbol mean? \_\_\_\_\_

### PRACTICE B Supplying Interrogative Pronouns

Read each sentence. Then, fill in the blank with an appropriate interrogative pronoun.

**Example:** \_\_\_\_\_ of the debaters made the best case for her opinion?

**Answer:** Which

1. \_\_\_\_\_ adopted that cute border collie?
2. With \_\_\_\_\_ should I register my complaint?
3. \_\_\_\_\_ was that idea, yours or mine?
4. \_\_\_\_\_ is the square root of 144?
5. \_\_\_\_\_ of those laptops are you planning to buy?
6. \_\_\_\_\_ told Denny what I said?
7. To \_\_\_\_\_ is the song dedicated?
8. \_\_\_\_\_ won first prize at the county fair?
9. \_\_\_\_\_ is the state tree of Ohio?
10. \_\_\_\_\_ of these coats belongs to you?

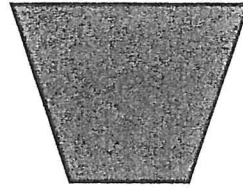
### Writing and Speaking Application

Write four questions to ask an imaginary person. Use an interrogatory pronoun in each. Then, take turns reading your questions with a partner. Your partner should listen for and identify the interrogatory pronouns.

## Lesson #6

- Round 87,365,241 to the nearest ten million.
- Write  $\frac{7}{20}$  as a decimal and as a percent.
- If it is 4:40 now, what time was it 5 hours and 15 minutes ago?
- $347 + 659 = ?$
- Draw a straight angle and tell how many degrees are in a straight angle.

6. What is 30% of 200?



7. What is the name of this shape?

8.  $\frac{2}{5} \times \frac{15}{18} = ?$

9. Write the standard number for *eighteen and forty-three thousandths*.

10.  $2\frac{1}{2} \times 3\frac{3}{10} = ?$

11.  $0.004 \times 0.03 = ?$

12. Write the ratio  $\frac{5}{6}$  in another way.

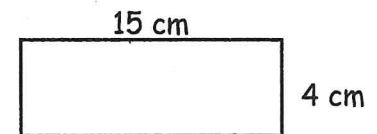
13. Solve the proportion for  $x$ .  $\frac{15}{x} = \frac{6}{4}$

14.  $6\frac{1}{5} + 9\frac{2}{3} = ?$

15. Make a factor tree for 32.

16. The ratio of adults to children at a park is 2 to 5. If there are 24 adults, how many children are at the park?

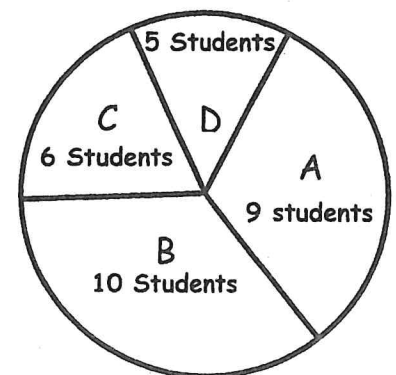
17. The rectangle shown to the right has what area?



18. According to the pie chart, how many more students earned an A or B than earned a C or D?

19. What fraction of the students in the class earned an A?

20. Write 0.14 as a percent and as a reduced fraction.



1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.
17.	18.	19.	20.