



Name -----

Gr./ 7

Subject/ Science

Worksheet # 4

Unite:1 , lesson:4**The History of Life on Earth****Textbook pgs. (38-49)*****Lesson vocabulary***

fossil	a trace or imprint of a living thing that is preserved by geological processes.
fossil record	it is made up of all the fossils that have been discovered worldwide.
extinction	a large number of species go extinct during a short amount of time.
geological time scale	the standard method used to divide earth's long 4.6 -billion-year natural history into manageable parts.

Ways to describe the Ages of fossils:

- 1- Relative dating
- 2- Absolute dating

Mass extinction can be the result of :

- a- Gradual environmental changes.
- b- Catastrophic events .

Geologic time scale

Eons → Eras → Periods → Epochs

The four main divisions that make up the history of life on Earth:

- 1- Precambrian time
- 2- The Paleozoic era.
- 3- The Mesozoic era.
- 4- The Cenozoic era

Eon	Era	Period	Epoch	m.y.	
Phanerozoic	Cenozoic	Quaternary	Holocene	1.5	
			Pleistocene		
		Neogene	Pliocene		
			Miocene		
		Paleogene	Oligocene		23
			Eocene		
	Mesozoic	Cretaceous	Paleocene	65	
			Jurassic		
			Triassic		
	Paleozoic	Carboniferous	Permian	250	
			Pennsylvanian		
			Mississippian		
			Devonian		
			Silurian		
Ordovician					
Cambrian					
Precambrian	Proterozoic		540		
	Archean			2500	
	Hadean			3800	
				4600	

Q1. Complete the following.

1. Mesozoic era is commonly called.....
2. dominated the Earth in the Mesozoic era.
3. dominated the Earth in the Cenozoic era.
4. Humans appeared during
5. are group of mammals that includes humans, apes, and monkeys.
6. is the largest division of geologic time.
7. dating determines whether a fossil formed before or after another fossil.
8. estimates the age of fossils in years from elements in certain rocks near the fossils.
9. A mass extinction occurs when a of species go extinct during short amount of time.
10. Fossils suggest that first prokaryote called appeared over 3 billion years ago.

Q2. Write the scientific term.

- 1- When a large number of species go extinct during a relatively short amount of time. (.....)
- 2- The standard method used to divide Earth long 4.6 billion years ago. (.....)

3- Single -celled organisms that were dominant during Precambrian time.

(.....)

4- It is a gas layer in the upper atmosphere that absorbed harmful radiation from the sun.

(.....)

Q3. Multiple choices.

1-When did geologic time begin?

- a. about 4.6 million year ago
- b. about 4.6 thousand years ago
- c. about 4.6 years ago
- d. about 4.6 billion years go

2-What is the geologic time scale?

- a. weight scale used to weight fossils
- b. a record of the life forms and geological events in Earth's history
- c. records of one cell organism
- d. a unit of periods

3-What are the basic units into which the geologic time scale is divided?

- a. periods and time
- b. periods and records
- c. eras and time
- d. eras and periods

4- Earth formed _____ billion years ago .

- a. 27.4 b. 59 c. 152 d. 4.6

5-What are the major subdivisions of geologic time? (In the correct order from longest to shortest time)

- a. Eons, eras, periods, epochs
b. Epochs, eons, eras, periods
c. Eras, eons, epochs, periods
d. Periods, eras, eons, epochs

6-The longest era of the geological time scale is the

- a. Proterozoic c. Mesozoic
b. Cenozoic d. Paleozoic

7-The longest section of Earth's history was.....

- a. Cretaceous period
b. Precambrian time
c. Paleozoic Era
d. Cenozoic Era

8-In which geologic era do we currently live?

- c. Proterozoic c. Mesozoic
d. Cenozoic d. Paleozoic

Q4. Put true (T) of false (F).

1. Primates eyes are located in the middle at the front if the skull. ()
2. Most primate have 3 fixable digits. ()

- 3. We live in the Mesozoic era. ()
- 4. The conifers are Mesozoic era plants. ()
- 5. Mesozoic is a Greek word means "antient life". ()
- 6. By the end of the Paleozoic era forest of giant ferns covered much of earth. ()

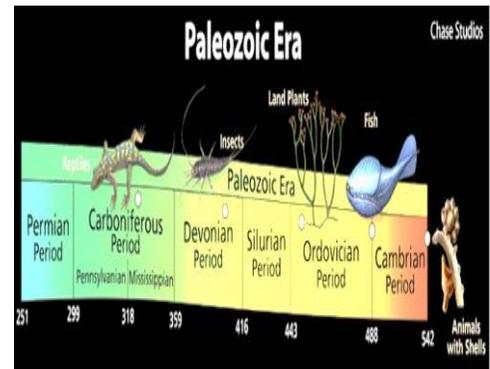
Q5. This diagram is for Paleozoic era

A) When did the Paleozoic era begin and end?

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.....



B) What are the characteristics of this era?

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.....

Q6. Answer the following.

1. How did mass extinction occur in Precambrian time?

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.....

2. In which era mammals are dominated?

.....
.....

3. Put these geological time units in the correct order.

Mesozoic, Paleozoic, Cenozoic, Precambrian time

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