

Changes During the Paleozoic Era

Name:

Period:

Answer the questions below from Chapter 9, Section 3.

The Paleozoic Era (p.280)

1. What does the word Paleozoic mean? _____

The Cambrian Explosion (p.280)

2. _____ life forms appeared at the beginning of the Paleozoic Era.

3. Because some life forms now had _____ like shells or exoskeletons, we can now study fossils of them.

Life on Land (p.280)

4. Fossils show that the first animals on _____ were arthropods like scorpions.

5. During this era, all major _____ groups, except for flowering plants, appeared.

6. Towards the end of this era, _____ and _____ appeared.

The Permian Extinction (p.280)

7. Earth's _____ mass extinction that we know about was the Permian extinction.

8. The supercontinent _____ had formed during the Paleozoic Era.

Now, use the chart titled "Life Leaves the Sea" and p.280 to help you.

1. What does the word "Paleozoic" mean?

2. At the start of this era, was life only on land or only in the ocean?

3. According to the chart, did plants start to grow on land during the beginning, middle, or end of this era?

4. According to the chart, which showed up earlier, amphibians or reptiles?

5. According to the chart, did vertebrates show up first on land or in water?

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6. Towards the end of the era, lots of animals were on land. If you were a carnivorous reptile at this time, name three groups of animals that you could be eating:

1)

2)

3)

7. At the end of the Paleozoic Era, what happened to most of the species that were alive?

8. What two main groups of animals survived this event?

1)

2)

LIFE LEAVES THE SEA

1-20

LIFE LEAVES THE SEA

PHANEROZOIC EON_d
ERAS*

CENOZOIC_g

MESOZOIC_f

PALEOZOIC_e

PROTEROZOIC EON_c

ARCHEAN EON_b

HADEAN EON_a

PALEOZOIC ERA_e

PERIODS*

PERMIAN_m

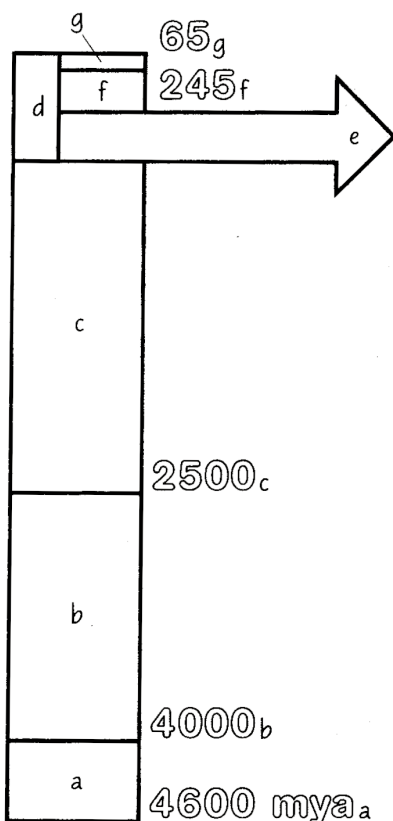
CARBONIFEROUS_l

DEVONIAN_k

SILURIAN_j

ORDOVICIAN_i

CAMBRIAN_h



| | |
|---|--|
| 245 _f Reptiles radiate Amphibians and insects expand Redwood forests | |
| 285 _m First reptiles Gymnosperms | |
| 360 _l Teleost fish expand Amphibians Forests Insects | |
| 410 _k Land plants Giant ferns Arthropods invade land Jawed fish Armored fish dominate | |
| 435 _j Armored, jawless fish Vertebrates Shell-bearing marine inverte- brates dominate | |
| 505 _i Shelled arthropods Trilobites | |
| 545 _h | |