

Earth - making of a planet (part1)

Watch the video (0->10th min) and answer the questions below.

- 1) When does the journey start ?
- 2) How did the earth form ?
- 3) What was the composition of the first atmosphere ?
- 4) What are the steps of our moon's creation ?
- 5) How long was the duration of the days on earth after moon's birth ?
- 6) How did the earth start to cool down ?

Earth - making of a planet (part2)

Watch the video (from 10th min to 16th min) and answer the questions below.

- 1) What is the origin of the tides ?
- 2) Why did the earth start to spin slower ?
- 3) How did the first continents get birth ?
- 4) What are amino acids ? How did they arrive on earth ?
- 5) Where and how did life appear in the oceans ?
- 6) What are the earliest forms of life on earth ?

Earth - making of a planet (part3)

Watch the video (from 16th min to 21th min) and answer the questions below.

- 1) What is a "stromatolite" ? Why was it so important ?
- 2) Write a balanced chemical equation for the photosynthesis reaction.
- 3) What is the most important element for life on earth?
- 4) Why did iron change into rust ? Why is this element so important today ?
- 5) What makes the earth crust moving ?
- 6) What were the temperature and the duration of the day during the Rodinian continent era ?

Earth - making of a planet (part4)

Watch the video (from 21st min to 30th min) and answer the questions below.

- 1) Why did the Earth become a "frozen ball of ice" ?
- 2) When did the ice age happen ? How long has it been lasting ?
- 3) How thick was the layer of ice covering the Earth ?
- 4) What is the origin of acid rains ?
- 5) Why did the temperature increased again after the ice age ?
- 6) Explain "ice has created oxygen" ?

Earth - making of a planet (part5)

Watch the video (from 30th min to 36th min) and answer the questions below.

- 1) Apart from the oxygen, which other “element” is required for life on Earth ?
- 2) Where was life able to survive during the ice age ?
- 3) Why were bacteria able to evolve in the ocean ?
- 4) What did happen during the Cambrian explosion ?
- 5) What is the name of the first organisms with a spine ?

Earth - making of a planet (part6)

Watch the video (from 36th min to 40th min) and answer the questions below.

- 1) When does this part take in Earth history ?
- 2) What were the temperature and composition of the atmosphere at that moment ?
- 3) Why no living species could be find on the continent at that moment ?
- 4) Which atmospheric shield allowed life to appear on lands ? How was it created ?
- 5) Explain the way life was able to emerge on lands in spite of the lethal radiations coming from the Sun ?

Earth - making of a planet (part7)

Watch the video (from 40th min to 67th) and answer the questions below.

- 1) Why eggs allowed species to live on the continents ?
- 2) What is the origin of coal ?
- 3) What is the origin of oil ?
- 4) Why have animal species evolved in the course of time ?
- 5) How long have the dinosaurs been surviving on Earth ? Why did they disappear ?

Earth - making of a planet (part8)

Watch the video (from 67th min to 74th min) and answer the questions below.

- 1) How big is the asteroid heading to the Earth ? How fast is he travelling ?
- 2) How powerful is the energy released by the strike ? Why did the asteroid vaporized instantly ?
- 3) Why is the strike’s effect spreading out of the impact zone ?
- 4) What was the temperature on Earth after the impact ? What were the consequences for the flora and the fauna ?
- 5) When did the dinosaurs disappear from Earth ? Why were mammals able to survive ?

Earth - making of a planet (part9)

Watch the video (from 73rd min to 83rd min) and answer the questions below.

- 1) Why have the primitive primates (like Ida) been preserved in lakes' water ?
- 2) When did the atmosphere composition start to be the same like today ? What were the temperature and the duration of the day back then ?
- 3) What is the origin of the Himalayas ? How high is Mount Everest ?
- 4) What is the origin of the water flowing in rivers like the Ganges, Indus, Yellow and Yang Tse ?
- 5) Where did the "Human story" start ? Which chain of events lead to the first humans ?