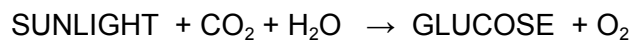


Name: _____

History of Earth
(time 0:00-26:16)

1. What was Earth like at the beginning (5 marks). Be descriptive.
2. What difference is there between the moons position today and the moons position 4.8 billion years ago?
3. How long is one day on Earth at the beginning?
4. What happened 3.9 billion years ago on Earth? What did these objects carry that are so important to the evolution of our planet?
5. The Earth's rapid rotation creates what?
6. What happens as the moon moves farther away from Earth? (2 items)
7. How are islands created?
8. What kind of organisms were the first on Earth 3.8 billion years ago?

9. Colonies of bacteria formed called stromatolites 3.5 billion years ago. These organism get their food through photosynthesis.



Why is oxygen important at this time?

10. Rodinia was the first supercontinent formed by plate tectonics. Describe this continent (4 marks)

11. What is "snowball" Earth? Describe (4 marks)

Name: _____

History of Earth
(time 26:16- 46:18)

1. What effect is caused by the removal of carbon dioxide from the atmosphere?
2. With an increase in volcanic activity and rocks covered in snow, carbon dioxide increased in the atmosphere. What effect did this have on Earth?
3. The combination of sunlight and ice produced massive amounts of hydrogen peroxide. Why is this important?
4. After snowball Earth, what new multicellular organisms were created 540 million years ago? Where were they found?
5. How does the sun prevent growth of plants and animals on land?
6. Oxygen and sunrays create ozone. A blanket of ozone develops around Earth for 120 million years. Why is this important?
7. What is the name given to the first fish and fish like creatures to emerge from the water to live on land?

8. Earth now has giants roaming and flying across it. What has caused this?

9. How is the egg a major evolutionary break through?

10. What animal did the egg give rise to?

11. How is coal made? How long did it take to develop?

12. What animal pre-dates dinosaurs?

Name: _____

History of Earth
(time 46:18- 1:05:36)

1. At 250 million years ago, there was a mass extinction called the permian extinction. What happened during this time?

On the other side of the world, what was occurring?

2. Why did the oceans turn pink during this time?
3. The release of methane gas has what effect on Earth?
4. What percentage of the species is gone? How do those remaining survive?
5. At 200 million years ago, there was one supercontinent. It was called?

How would you describe it?

6. What animal did dinosaurs evolve from?

7. What happened over current day Iran and Iraq that led to huge oil reserve? How is oil made?

8. As North America split from Africa, what ocean formed?

9. How fast do continents move away from each other during the break up of Pangea?

Name: _____

History of Earth
(time 1:05:36 - 1:20:48)

1. Why do mammals pose no threat to the dinosaurs?
2. What event changed the world forever? Where did it land?
3. What were some of the negative consequences of this event?
 - a)
 - b)
 - c)
 - d)
 - e)
4. How did the mammals survive during this time?
5. What kind of evidence is there that early mammalian creatures are indeed our ancestors?
6. Indian plate collides with Asian plate forming which mountain range? What mountain?
7. What percentage of Earth's population is supported by the water coming from this mountain range?

Name: _____

History of Earth

(time 1:20:48-1:30:00)

1. The mountains being created on Africa's East Coast have what kind of an effect on the rest of Africa?
2. 4 million years ago African Rift opens up. An ape like creature living in trees is forced to change. Why does this happen and what changes does it under go?
3. 1.5 million years ago an early species of humans develop. They are called?
4. What natural events lead to a migration of peoples out of Africa about 70 000 years ago?
5. At 40 000 ago Homo Sapiens arrive in Europe. How is the world changing?
6. With a decreasing sea level, an ice bridge forms allowing human migration. Where did it form and what two land masses are connected?
7. How were the great lakes formed?