How the Earth was Formed

Practice Questions

Instructions: Select the letter of the correct answer for each question below.

1) Which of the following explains why the early Earth was dominantly molten?
(A) Constant bombardment of space bodies and the decay of radioactive elements
(B) Nuclear fusion of heavy radioactive atoms
(C) A large celestial body called Theia impacted the Earth
(D) Production of Earth layers known as Chemical Differentiation

2) It states that billions of years ago a celestial body called Theia impacted the Earth which led to the formation of the moon.
(A) Giant Impact Hypothesis
(B) Core Accretion Model
(C) Steady State Theory
(D) Great Oxidation Event

3) Which of the following explains the tilt in the Earth's axis?
(A) Core Accretion Model
(B) Steady State Theory
(C) Giant Impact Hypothesis
(D) Tiltation Moment Hypothesis

4) These organisms played an important role in the increase of O_2 in the Earth's atmosphere.
(A) anaerobic bacteria
(B) cyanobacteria
(C) algae
(D) protists

5) As heavier elements sank to the center of the Earth, the core was formed. Furthermore, lighter elements migrated towards the surface. These processes allowed the production of Earth's layers through _____.
(A) Layer Segmentation
(B) Chemical Decomposition
(C) Core Accretion
(D) Chemical Differentiation

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