

Geological Milestones and Measurements

Geology · Practice Test · 8 Questions

1. In what year did Alfred Wegener first publish his detailed hypothesis on continental drift, titled 'The Origin of Continents and Oceans'?

- A) 1912
- B) 1915
- C) 1920
- D) 1924

2. Approximately how many years ago did the Great Oxidation Event, a significant increase in atmospheric oxygen, begin?

- A) 1.2 billion
- B) 2.4 billion
- C) 3.6 billion
- D) 4.5 billion

3. What is the approximate number of tectonic plates that make up the Earth's lithosphere today?

- A) 5 to 7
- B) 15 to 20
- C) 30 to 40
- D) over 100

4. The Mohorovicic discontinuity, which marks the boundary between the Earth's crust and mantle, was discovered in what year?

- A) 1889
- B) 1909
- C) 1929
- D) 1949

5. How many primary 'spheres' or layers of the Earth are traditionally defined in basic internal structure models (e.g., crust, mantle, core)?

- A) 2
- B) 3
- C) 5
- D) 7

6. The Richter scale for measuring earthquake magnitude was developed by Charles Richter and Beno Gutenberg in which decade?

- A) 1910s
- B) 1930s
- C) 1950s
- D) 1970s

7. According to the standard geological time scale, how many millions of years ago did the Permian-Triassic extinction event, the 'Great Dying', occur?

- A) 66 million
- B) 150 million
- C) 252 million
- D) 400 million

8. James Hutton, often called the father of modern geology, published his seminal work 'Theory of the Earth' in which year?

- A) 1785
- B) 1795
- C) 1805
- D) 1815