

Plate Tectonics Through Earth's History Quiz

http://www.ck12.org/earth-science/Plate-Tectonics-through-Earth-History/lesson/Plate-Tectonics-through-Earth-History/?referrer=concept_details

1) Plate tectonics explains

- a) Why mountain ranges are located where they are.
- b) Why certain regions may have deadly, mild, or no volcanic eruptions.
- c) Why many ore deposits are located where they are.
- d) All of the above

2) How could plate tectonics movements affect the evolution of life?

- a) Two continents split apart and one species evolves into two different species, one on each continent.
- b) Two continents come together so the organisms of two separate species compete until only one species remains.
- c) Two continents split apart and the organisms of one species stay exactly the same.
- d) All of the above

3) The name of the supercontinent that came together 300 million years ago.

- a) Eurasia
- b) Pangaea
- c) Aegean
- d) Rodinia

4) The Appalachian Mountains may have been as high as the Himalaya because they formed from the same plate tectonics processes.

- a) True
- b) False

5) Pangaea was the first supercontinent in Earth history.

- a) True
- b) False

6) As continents come together to form a supercontinent,

- a) The ocean that had separated them disappears.
- b) A giant ocean forms on the outside of the supercontinent.

- c) Mountain ranges rise where continental plates converge.
- d) All of these.

7) Predictions for the future of the continents include

- a) Staying in their current locations.
- b) Turning the continents around to form a supercontinent like Rodinia.
- c) Closing the Pacific Ocean and creating a supercontinent on the opposite side from Pangaea.
- d) All of these.

8) Continents come together and break apart in a cycle called the

- a) Supercontinent cycle
- b) Plate tectonic cycle
- c) Continental drift cycle
- d) Pangaea Cycle

9) Continental drift and seafloor spreading together make up plate tectonics.

- a) True
- b) False

10) A new supercontinent forms about every 500,000 years.

- a) True
- b) False