Q.O.D

12-2 to 12-13

PPT on Seafloor Spreading

Students will take notes

Q.O.D. #33

What do scientists use to map the ocean floor?

Answer: sonar readings

PPT on Seafloor Spreading. Complete

Students will take Notes

Q.O.D. # 34

Which is the BEST explanation why the remains of a small reptile living millions of years ago have been found only in Brazil and South Africa?

1. Subduction
2. Converging boundaries
3. Plate tectonics
4. Mass extinction

Answer: C

Q.O.D. #35

A volcano under the ocean slowly releases lava over time. As the lava is released, it cools and hardens on the ocean floor. Which feature will MOST likely form from the release and cooling of the lava on the ocean floor over time?

1. A reef
2. A fault
3. An island
4. A sandbar

Answer: B

Graham….CAPS Speaker

Bramblett..

Weathering and Erosion Notes from PPT

Q.O.D. # 36

What is the MOST prominent land feature formed by the convergence of the Indo-Australian and Eurasian Plate?

1. Ural Mountains
2. Australia
3. Himalaya Mountains
4. China

Answer: C

Bramblett….CAPS Speaker

Graham..

Weathering and Erosion Notes from PPT

Q.O.D #37

Environments have changed over millions of years. Which of these would be BEST for a scientist to study when investigating these environmental changes?

1. Fossil records
2. Volcanic deposits
3. Ocean currents
4. Weather forecasts

Answer: A

PPT on Deposition

Students will take notes and then do activity.

Q.O.D. # 38

A glacier retreats leaving bare rocks. Lichens begin to live on the rocks. The lichens produce an acid that starts to break down the rocks. How will this process affect the environment?

A) It will put acid into the lakes and ponds.

B) It will begin the process of building soil.

C) It will prevent the carbon cycle from occurring.

D) It will prevent bacteria from invading

Answer=B

Q.O.D. #39

When trees are removed from an area in a tropical rainforest, the area experiences an increase in soil erosion. Which statement BEST explains why removing the trees can lead to soil erosion?

A) Less bedrock will be available to make soil.

B) There will be fewer roots to hold the soil in place.

C) The number of soil-eating insects in the area will increase.

D) The amount of solar radiation reaching the ground will increase.

Answer=B

Q.O.D. #40

Which statement BEST describes the role of decomposers during the primary succession process?

A) They prevent rock from eroding.

B) They break down sand particles.

C) They provide food for the plants that will grow.

D) They add organic matter to sand to form rich soil.

Answer=C

Q.O.D.#41

Earthworms move randomly throughout topsoil. How do earthworms MOST likely affect the topsoil?

A) by compacting the topsoil

B) by decreasing the fertility of the topsoil

C) by adding nutrients to the topsoil

D) by removing the minerals from the topsoil

Answer=C

Q.O.D. #42

Several horses grazed in a fenced area across from a home. On rainy days, soil would wash down a slope and run toward the home. After the horses were moved a few years later, the soil no longer washed down when it rained. What could account for this change?

A) The grass grew and kept the soil intact.

B) The fence kept the soil contained.

C) The soil was completely gone.

D) The amount of rain decreased.

Answer=A

Q.O.D. # 43

What major events cause islands to form in the Pacific Ocean?

1. Volcanic eruptions
2. Tsunamis
3. Erosion
4. Severe storms

Answer: A

Q.O.D. # 44

Which type of rock would MOST likely contain a fossil?

1. Molten rock
2. Igneous rock
3. Sedimentary rock
4. Metamorphic rock

Answer: C

QOD # 45

Over time, coal began to form from

A) snow and ice.

B) sand and rock.

C) many dead plants.

D) lots of animal bones.

QOD # 46

Water evaporation on the surface of Earth MOST likely causes the formation of

A) glaciers.

B) mountains.

C) natural gas.

D) limestone.

QOD # 47

Minerals are formed by which process?

A) magma cooling

B) fault lines moving

C) metamorphosis

D) sedimentation

QOD # 48

Diamonds are formed when carbon is placed under extreme heat and pressure. This process occurs

A) in caves.

B) in the ocean.

C) in the atmosphere of Earth.

D) beneath the surface of Earth.