Physical Geology 17th edition Plummer Test Bank

SKU: 9781260722246-TEST-BANK

Physical Geology 17th Edition by Plummer CH01

ANSWERS ARE LOCATED IN THE SECOND PART OF THIS DOCUMENT

TRUE/FALSE - Write 'T' if the statement is true and 'F' if the statement is false.

1) We depend on the Earth for the energy resources and raw materials we need for survival.

1) _____

◎ true
◎ false

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

2) Most deaths associated with volcanic eruptions are due to burns of lava flows.

2) _____

◎ true
◎ false

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

3) A tsunami has a small wave height, travels rapidly, and is not noticed by people in boats.

3) _____

◎ true
◎ false

Physical Geology 17th edition Plummer Test Bank

Question Details
Bloom's : 1. Remember
Topic : Earthquakes
Topic : Shorelines
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

4) While the reserves of petroleum hydrocarbons within the United States are limited, other geologic resources (iron, aluminum, copper, and tin) are available in great abundance.

4) _____

- ◎ true
- ◎ false

Question Details
Bloom's : 1. Remember
Topic : Mineral Resources
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

5) Geology uses the scientific method to explain natural aspects of the Earth.

5) _____

- ◎ true
- ◎ false

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

6) Deeply buried rock that is hot and under pressure can deform like taffy or putty.

Physical Geology 17th edition Plummer Test Bank

6) _____

◎ true
◎ false

Question Details
Bloom's : 2. Understand
Topic : Metamorphism
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.02 Define a system, and describe the four Earth systems (spheres).

7) Ocean - ocean plate convergence formed major mountain belts such as the Andes and Cascades.

7) _____

◎ true
◎ false

Question Details
Bloom's : 1. Remember
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

8) The mantle is the most voluminous of Earth's three major concentric zones.

8) _____

◎ true
◎ false

Question Details
Bloom's : 1. Remember
Topic : Earth's Interior
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.04 List the three major internal zones of the Earth.

Physical Geology 17th edition Plummer Test Bank

9) Earth's lithosphere is made up of the crust and uppermost part of the mantle.

9) _____

◎ true
◎ false

Question Details
Bloom's : 1. Remember
Topic : Earth's Interior
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.05 Describe the lithosphere and the asthenosphere.

10) Understanding geology can help us lessen or prevent damage to the environment.

10) _____

◎ true
◎ false

Question Details
Bloom's : 2. Understand
Topic : Nature of Geology
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

11) Most convergent plate boundaries coincide with the crests of submarine mountain ranges called mid-oceanic ridges.

11) _____

◎ true
◎ false

Physical Geology 17th edition Plummer Test Bank

Question Details
Bloom's : 2. Understand
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

12) Plate tectonics regards the lithosphere as divided into segments (plates) that are in horizontal motion.

12) _____

- ◎ true
- ◎ false

Question Details
Bloom's : 1. Remember
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

13) A transform plate boundary occurs where two plates converge.

13) _____

- ◎ true
- ◎ false

Question Details
Bloom's : 1. Remember
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

14) Convergent boundaries, due to their geometry, are the sites of the largest earthquakes on Earth.

Physical Geology 17th edition Plummer Test Bank

14) _____

- ◎ true
- ◎ false

Question Details
Bloom's : 2. Understand
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

15) After the opening of the North Slope in Alaska the U.S. stopped importing petroleum.

15) _____

- ◎ true
- ◎ false

Question Details
Bloom's : 1. Remember
Topic : Energy Resources
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

16) North America is all on one plate.

16) _____

- ◎ true
- ◎ false

Question Details
Bloom's : 1. Remember
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

Physical Geology 17th edition Plummer Test Bank

17) Rocks formed at high temperatures and under high pressure deep within the Earth and pushed upward by tectonic force are stable in their new environment.

17) _____

- ◎ true
- ◎ false

Question Details
Bloom's : 2. Understand
Topic : Metamorphism
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

18) Rocks brought to the earth's surface by internal processes are worn down, and eroded by surficial processes.

18) _____

- ◎ true
- ◎ false

Question Details
Bloom's : 1. Remember
Topic : Erosion
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

19) The Earth is about 4.6 billion years old.

19) _____

- ◎ true
- ◎ false

Physical Geology 17th edition Plummer Test Bank

Question Details
Bloom's : 1. Remember
Topic : Geologic Time
Section : 01.04 Geologic Time
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.08 Know the age of the Earth.

20) The Earth can be considered as interrelated systems or spheres.

20) _____

◎ true
◎ false

Question Details
Bloom's : 2. Understand
Topic : Nature of Geology
Section : 01.02 Earth Systems
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.02 Define a system, and describe the four Earth systems (spheres).

CHECK ALL THE APPLY. Choose all options that best completes the statement or answers the question.

21) Erosion is a result of Earth's external heat engine, powered by (choose all that apply)

21) _____

A) the Sun
B) gravity
C) heat flowing from Earth's interior outward

Question Details
Topic : Study of Geology
Section : 01.03 An Overview of Physical Geology-Important Concepts
Subtopic : Important Concepts of Geology
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

Physical Geology 17th edition Plummer Test Bank

MULTIPLE CHOICE - Choose the one alternative that best completes the statement or answers the question.

22) The Earth's system that includes the oceans, rivers, lakes, and glaciers of the world is called the _____.

22) _____

A) biosphere
B) hydrosphere
C) atmosphere
D) geosphere
E) solid Earth

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Section : 01.02 Earth Systems
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.02 Define a system, and describe the four Earth systems (spheres).

23) The _____ and the Alpine Fault of New Zealand are examples of transform plate boundaries.

23) _____

A) New Madrid Fault of Arkansas
B) Choctaw Fault of Oklahoma
C) San Andreas Fault of California
D) East African Rift
E) Rio Grande Rift

Physical Geology 17th edition Plummer Test Bank

Question Details
Bloom's : 2. Understand
Topic : Deformation
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

24) A _____ is a huge ocean wave usually caused by a displacement of the sea floor and commonly associated with massive earthquakes.

24) _____

A) S-wave
B) tidal wave
C) tsunami
D) seiche
E) breaker

Question Details
Bloom's : 1. Remember
Topic : Earthquakes
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

25) A ___ is a hot, turbulent mixture of expanding gases and volcanic ash that flows rapidly down the side of a volcano.

25) _____

Physical Geology 17th edition Plummer Test Bank

A) pyroclastic cloud
B) mud flow
C) lava flow
D) pyroclastic flow
E) hyaloclastic flow

Question Details
Bloom's : 1. Remember
Topic : Igneous Environments
Topic : Volcanoes and Volcanic Hazards
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

26) Eruptive activity at the summit of the Nevado del Ruiz volcano in Colombia in 1985 caused snow and ice to melt, generating a ___ that killed 23,000 people in the village of Armero.

26) _____

A) gas cloud
B) mud flow
C) lava flow
D) pyroclastic flow
E) hyaloclastic flow

Question Details
Bloom's : 1. Remember
Topic : Unstable Slopes
Topic : Volcanoes and Volcanic Hazards
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

27) To understand geology one must understand how the solid Earth interacts with water, air, and living organisms. For this reason, it is useful to think of Earth as being part of a ____.

Physical Geology 17th edition Plummer Test Bank

27) _____

A) hydrosphere
B) system
C) trend
D) group
E) formation

Question Details
Bloom's : 2. Understand
Topic : Nature of Geology
Section : 01.02 Earth Systems
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.02 Define a system, and describe the four Earth systems (spheres).

28) Among other things, geologists are employed as __.

28) _____

A) petroleum geologists
B) environmental geologists
C) marine geologists
D) hydrogeologists
E) All of the answers are correct.

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

29) Rock deep within the Earth is _____ and _____.

29) _____

Physical Geology 17th edition Plummer Test Bank

A) hot; heat flows inward toward Earth's center.
B) cool; heat flows in toward Earth's center
C) hot; heat flows out toward Earth's surface
D) the same temperature throughout the earth; heat flow is not an important consideration
E) unknown; we can only guess about conditions there

Question Details
Bloom's : 2. Understand
Topic : Igneous Environments
Section : 01.02 Earth Systems
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

30) Earth's external heat engine is driven by __.

30) _____

A) solar energy
B) residual cosmic radiation from the Big Bang
C) the decay of radioactive isotopes
D) tides
E) meteor impacts

Question Details
Bloom's : 1. Remember
Topic : Climate, Weather, and Their Influences on Geology
Section : 01.02 Earth Systems
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

31) ___ refer(s) to the scientific study of Earth.

31) _____

Physical Geology 17th edition Plummer Test Bank

A) Hydrology
B) Geology
C) Spheres

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

32) The Earth's interior heat engine works because hot buoyant material deep within the Earth _____ while cold denser material _____.

32) _____

A) moves upward; moves downward
B) contracts and sinks; expands and rises
C) contracts and rises; expands and sinks
D) expand and sinks; contract and rises

Question Details
Bloom's : 2. Understand
Topic : Earth's Interior
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

33) The _____ is the most voluminous of the Earth's three major concentric zones.

33) _____

Physical Geology 17th edition Plummer Test Bank

A) core
B) mantle
C) lithosphere
D) asthenosphere
E) crust

Question Details
Bloom's : 1. Remember
Topic : Earth's Interior
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.04 List the three major internal zones of the Earth.

34) Listed from Earth's center outward, the three concentric zones of Earth are the __.

34) _____

A) crust, mantle, core
B) mantle, crust, core
C) core, crust, mantle
D) mantle, core, crust
E) core, mantle, crust

Question Details
Bloom's : 1. Remember
Topic : Earth's Interior
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.04 List the three major internal zones of the Earth.

35) A _____ is a scientific concept that has been tested and is in all likelihood true.

35) _____

Physical Geology 17th edition Plummer Test Bank

A) concept
B) hypothesis
C) theory
D) scenario
E) belief

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.07 Summarize the scientific method, and define the meaning of the word theory

36) _____ are geological forces generated inside the Earth.

36) _____

A) Surficial forces
B) Electrochemical forces
C) Tectonic forces
D) Inertial
E) Celestial

Question Details
Bloom's : 1. Remember
Topic : Earth's Interior
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

37) Earthquakes, volcanic eruptions, landslides, floods, and tsunamis are all examples of:

37) _____

Physical Geology 17th edition Plummer Test Bank

A) earth-altering processes.
B) earth hazards.
C) geologic resources.
D) geospheric processes.
E) geologic hazards

Question Details
Bloom's : 2. Understand
Topic : Unstable Slopes
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

38) The _____ collectively make up the lithosphere.

38) _____

A) the crust and the whole mantle
B) the crust and the uppermost part of the mantle
C) the crust and asthenosphere
D) the upper and lower mantle
E) the asthenosphere and the upper mantle

Question Details
Bloom's : 2. Understand
Topic : Earth's Interior
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.05 Describe the lithosphere and the asthenosphere.

39) The ____ is soft and therefore flows more readily than the underlying mantle.

39) _____

Physical Geology 17th edition Plummer Test Bank

A) crust
B) asthenosphere
C) lithosphere
D) core
E) plate

Question Details
Bloom's : 2. Understand
Topic : Earth's Interior
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.05 Describe the lithosphere and the asthenosphere.

40) A hypothesis that passes repeated tests ultimately becomes __.

40) _____

A) a guess
B) an observation of a phenomenon
C) a first, tentative idea to explain a phenomenon
D) a theory
E) a proven law of nature

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.07 Summarize the scientific method, and define the meaning of the word theory

41) After data have been analyzed, tentative explanations or solutions called _____ may be proposed.

41) _____

Physical Geology 17th edition Plummer Test Bank

A) a guess
B) an observation of a phenomenon
C) hypotheses
D) a concept that has been tested reproducibly and is likely to be true
E) a proven law of nature

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.07 Summarize the scientific method, and define the meaning of the word theory

42) Plate tectonics is a unifying idea that helps explain where and why there are ___ on Earth.

42) _____

A) earthquakes
B) volcanoes
C) mountain belts
D) oceanic ridges and trenches
E) All of the answers are correct.

Question Details
Bloom's : 1. Remember
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

43) The two major types of crust are oceanic crust and __.

43) _____

Physical Geology 17th edition Plummer Test Bank

A) continental crust
B) lithosphere
C) convergent crust
D) thin crust

Question Details
Bloom's : 1. Remember
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.04 List the three major internal zones of the Earth.

44) Earth can be visualized as a giant machine driven by which of the following engines?

44) _____

A) solar andinternal
B) regional andlocal
C) expanding andcondensing
D) surficial andheat
E) buried and exposed

Question Details
Bloom's : 3. Apply
Topic : Earth's Interior
Topic : Nature of Geology
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

45) The concept of plate tectonics regards the Earth's ___ as broken into a number of ___ that are in motion relative to each other.

45) _____

Physical Geology 17th edition Plummer Test Bank

A) crust; plates
B) mantle; plates
C) asthenosphere; plates
D) lithosphere; plates
E) plates; lithosphere

Question Details
Bloom's : 1. Remember
Topic : Earth's Interior
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

46) A _____, by scientists' definition, is something that has been overwhelmingly verified.

46) _____

A) hypothesis
B) guess
C) prediction
D) theory

Question Details
Bloom's : 1. Remember
Topic : Nature of Geology
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.07 Summarize the scientific method, and define the meaning of the word theory

47) Plates are known to be moving away from each other __.

47) _____

Physical Geology 17th edition Plummer Test Bank

A) across mountain ranges like the Himalayan Mountains
B) across subduction zones
C) across mid-ocean ridges
D) across the stable interior of continents
E) along transform faults

Question Details
Bloom's : 1. Remember
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

48) A _____ boundary occurs where plates move towards one another.

48) _____

A) convergent
B) concurrent
C) rift
D) abutting
E) transform

Question Details
Bloom's : 1. Remember
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

49) The _____ of old seafloor takes place at convergent boundaries.

49) _____

Physical Geology 17th edition Plummer Test Bank

A) destruction
B) creation
C) production
D) erosion
E) extinction

Question Details
Bloom's : 1. Remember
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

50) The North American plate is moving ____.

50) _____

A) north
B) south
C) west
D) east
E) nowhere, it's fixed

Question Details
Bloom's : 2. Understand
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

51) Where a subducting plate slides beneath the lithosphere, melting takes place and a(n) ____ is created.

51) _____

Physical Geology 17th edition Plummer Test Bank

A) plate
B) ocean trench
C) seamount
D) sedimentary rock
E) coral reef

Question Details
Bloom's : 2. Understand
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

52) Rocks may be transformed by heat and pressure into _____ rock.

52) _____

A) soil
B) igneous
C) granite
D) metamorphic
E) All of the answers are correct.

Question Details
Bloom's : 2. Understand
Topic : Metamorphism
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

53) The product of the breakdown of surface rocks by weathering and erosion is __.

53) _____

Physical Geology 17th edition Plummer Test Bank

A) lava
B) magma
C) sediment
D) quartz
E) ash

Question Details
Bloom's : 2. Understand
Topic : Weathering
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

54) With the cementation of loose particles sediment becomes _____.

54) _____

A) molten
B) metamorphic
C) lithified
D) igneous
E) basalt

Question Details
Bloom's : 2. Understand
Topic : Sedimentary Environments
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

55) _____ takes place where moving water, ice, and wind loosen and remove material on the continents.

55) _____

Physical Geology 17th edition Plummer Test Bank

A) Burial
B) Metamorphism
C) Melting
D) Subsidence
E) Erosion

Question Details
Bloom's : 1. Remember
Topic : Sedimentary Environments
Topic : Weathering
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

56) Disintegration of rock at Earth's surface may be facilitated by water __.

56) _____

A) flowing on the surface in streams and as runoff
B) frozen in a glacier that is flowing over the surface
C) moving through near-surface pores and fractures
D) present as vapor in the atmosphere
E) A and B are correct.

Question Details
Bloom's : 2. Understand
Topic : Weathering
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

57) A(n) ___ may eventually be formed as layers of sediment are buried by subsequent layers of sediment.

57) _____

Physical Geology 17th edition Plummer Test Bank

A) igneous rock
B) metamorphic rock
C) sedentary rock
D) sedimentary rock
E) foliated rock

Question Details
Bloom's : 2. Understand
Topic : Sedimentary Environments
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

58) The best geologic data currently available indicates that Earth is approximately ___ years old.

58) _____

A) 4,550
B) 4,550,000
C) 4,550,000,000
D) 4,550,000,000,000
E) 4,550,000,000,000,000

Question Details
Bloom's : 1. Remember
Topic : Geologic Time
Section : 01.04 Geologic Time
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.08 Know the age of the Earth.

59) Which of the following lifeforms appeared first in the geologic record?

59) _____

Physical Geology 17th edition Plummer Test Bank

A) dinosaurs
B) mammals
C) plants
D) fishes
E) reptiles

Question Details
Bloom's : 1. Remember
Topic : Geologic Time
Section : 01.04 Geologic Time
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.08 Know the age of the Earth.

60) Fossil evidence indicates that complex life forms have existed in abundance on Earth since approximately ___ years ago.

60) _____

A) 5,410
B) 541 thousand
C) 541 million
D) 5,410,000,000
E) 541,000,000,000

Question Details
Bloom's : 1. Remember
Topic : Geologic Time
Section : 01.04 Geologic Time
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.08 Know the age of the Earth.

61) Fossil evidence indicates that dinosaurs became extinct approximately ___ years ago.

61) _____

Physical Geology 17th edition Plummer Test Bank

A) 66 thousand
B) 660 thousand
C) 6,600,000
D) 66 million
E) 660,000,000

Question Details
Bloom's : 1. Remember
Topic : Geologic Time
Section : 01.04 Geologic Time
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.08 Know the age of the Earth.

62) What is the correct order of the geologic eras listed, from oldest to youngest?

62) _____

A) Cenozoic, Mesozoic, Paleozoic
B) Mesozoic, Paleozoic, Cenozoic
C) Paleozoic, Mesozoic, Cenozoic
D) Cenozoic, Paleozoic, Mesozoic

Question Details
Bloom's : 1. Remember
Topic : Geologic Time
Section : 01.04 Geologic Time
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.08 Know the age of the Earth.

63) Motion at a transform plate boundary is _____.

63) _____

Physical Geology 17th edition Plummer Test Bank

A) horizontal
B) vertical
C) oblique

Question Details
Bloom's : 2. Understand
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

64) What type of plate boundary is associated with a rift?

64) _____

A) convergent
B) divergent
C) transform
D) new
E) old

Question Details
Bloom's : 2. Understand
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

65) What country experienced a 9.0 earthquake and associated tsunami off its coast in March 2011 yet faired relatively well from such a disaster because of their preparedness?

65) _____

Physical Geology 17th edition Plummer Test Bank

A) Japan
B) Peru
C) United States
D) New Zealand
E) Haiti

Question Details
Bloom's : 1. Remember
Topic : Earthquakes
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

66) A portion of the continental crust may move upward after a period of significant erosion to maintain balance through the process of _____.

66) _____

A) volcanism
B) sedimentation
C) metamorphism
D) isostatic adjustment
E) lithification

Question Details
Bloom's : 2. Understand
Topic : Earth's Interior
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

67) Rock that forms from solidified magma is _____ rock.

67) _____

Physical Geology 17th edition Plummer Test Bank

A) igneous
B) metamorphic
C) sedimentary

Question Details
Bloom's : 1. Remember
Topic : Rocks
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

68) Oceanic crust is created at _____ and destroyed at _____.

68) _____

A) subduction zones; oceanic ridges
B) oceanic-ridges; subduction zones
C) subduction zones; transform boundaries
D) transform boundaries; subduction zones
E) trenches; rifts

Question Details
Bloom's : 2. Understand
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

69) Which of the following layers of Earth is a liquid?

69) _____

Physical Geology 17th edition Plummer Test Bank

A) crust
B) mantle
C) outer core
D) inner core

Question Details
Bloom's : 1. Remember
Topic : Earth's Interior
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.04 List the three major internal zones of the Earth.

70) Plate tectonics emerged as a science in the 1960s, and was based on the earlier hypothesis of _____.

70) _____

A) evolution
B) planetesimals
C) electromagnetism
D) continental drift
E) nebular formation

Question Details
Bloom's : 2. Understand
Topic : Plate Tectonics
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

71) Plate tectonics is a result of Earth's internal heat engine, powered by

71) _____

Physical Geology 17th edition Plummer Test Bank

A) the Sun
B) gravity
C) heat flowing from Earth's interior outward

Question Details
Topic : Earth's Interior
Topic : Plate Tectonics
Language Focus : vocab
Subtopic : Earth's Internal Heat
Subtopic : Plate Motions Causes
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.03 Distinguish between the Earth's internal and external heat engines and lis

72) A typical rate of plate motion is _____.

72) _____

A) 3–4 meters per year
B) 1 kilometer per year
C) 1–18 centimeters per year
D) 1,000 kilometers per year

Question Details
Topic : Plate Tectonics
Subtopic : Plates and Plate Movement
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

73) Volcanic island arcs like the islands of Japan are associated with

73) _____

Physical Geology 17th edition Plummer Test Bank

A) transform boundaries
B) divergent boundaries
C) ocean-continent convergence
D) ocean-ocean convergence

Question Details
Topic : Plate Tectonics
Subtopic : Types of Plate Boundaries
Topic : Volcanoes
Subtopic : Plate Tectonics and Volcanoes
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

74) The division of geology concerned with Earth materials, changes in the surface and interior of the Earth, and the dynamic forces that cause those changes, is

74) _____

A) physical geology
B) historical geology
C) geophysics
D) paleontology

Question Details
Topic : Study of Geology
Subtopic : What is Geology?
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

75) Which is a geologic hazard?

75) _____

Physical Geology 17th edition Plummer Test Bank

A) earthquake
B) volcano
C) mudflows
D) floods
E) wave erosion at coastlines
F) landslides
G) all of these choices are correct

Question Details
Topic : Study of Geology
Subtopic : Earth and the Human Population
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

76) The largest zone of Earth′s interior, by thickness, is the

76) _____

A) crust
B) mantle
C) outer core
D) inner core

Question Details
Topic : Earth's Interior
Subtopic : Internal Structure of the Earth
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.04 List the three major internal zones of the Earth.

77) Oceanic and continental crust differ in

77) _____

Physical Geology 17th edition Plummer Test Bank

A) composition
B) density
C) thickness
D) all of these choices are correct

Question Details
Topic : Earth's Interior
Topic : Plate Tectonics
Subtopic : Plates and Plate Movement
Subtopic : Internal Structure of the Earth
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.04 List the three major internal zones of the Earth.

78) The forces generated inside Earth that cause deformation of rock as well as vertical and horizontal movement of portions of Earth's crust are called

78) _____

A) erosional forces
B) gravitational forces
C) tectonic forces
D) all of the preceding

Question Details
Topic : Plate Tectonics
Subtopic : Plate Motions Causes
Topic : Study of Geology
Section : 01.03 An Overview of Physical Geology-Important Concepts
Subtopic : Important Concepts of Geology
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

79) Plate tectonics is a

79) _____

Physical Geology 17th edition Plummer Test Bank

A) conjecture
B) opinion
C) hypothesis
D) theory

Question Details
Topic : Study of Geology
Section : 01.03 An Overview of Physical Geology-Important Concepts
Subtopic : The Scientific Method
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

80) Which is a type of a plate boundary?

80) _____

A) divergent
B) transform
C) convergent
D) all of these choices are correct

Question Details
Topic : Plate Tectonics
Subtopic : Types of Plate Boundaries
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.06 Sketch and label the different types of plate boundaries.

81) Western economies rely on which of the following?

81) _____

Physical Geology 17th edition Plummer Test Bank

A) petroleum
B) metals
C) coal
D) uranium
E) natural gas
F) All of these choices are correct

Question Details
Bloom's : 1. Remember
Topic : Mineral Resources
Topic : Study of Geology
Subtopic : Earth and the Human Population
Subtopic : Supply and Demand of Minerals
Accessibility : Keyboard Navigation
Gradable : automatic
Section : 01.01 Who Needs Geology?
Learning Objective : 01.01 Know what physical geology is, and describe some of the things it is used

82) An analogy of the materials of Earth's interior is

82) _____

A) an egg (thin shell, white, yolk)
B) a balloon (thin stretchable shell and air)
C) bowling ball (rigid shell and air)
D) baseball (soft shell and compressible core)

Question Details
Bloom's : 2. Understand
Topic : Earth's Interior
Subtopic : Internal Structure of the Earth
Section : 01.03 An Overview of Physical Geology-Important Concepts
Accessibility : Keyboard Navigation
Gradable : automatic
Learning Objective : 01.04 List the three major internal zones of the Earth.

Physical Geology 17th edition Plummer Test Bank

Physical Geology 17th Edition by Plummer CH01

Answer Key

Test name: CH01

1) TRUE
2) FALSE
3) TRUE
4) FALSE
5) TRUE
6) TRUE
7) FALSE
8) TRUE
9) TRUE
10) TRUE
11) FALSE
12) TRUE
13) FALSE
14) TRUE
15) FALSE
16) TRUE
17) FALSE
18) TRUE
19) TRUE
20) TRUE
21) [A, B]
22) B
23) C
24) C
25) D
26) B

Physical Geology 17th edition Plummer Test Bank

27) B
28) E
29) C
30) A
31) B
32) A
33) B
34) E
35) C
36) C
37) E
38) B
39) B
40) D
41) C
42) E
43) A
44) A
45) D
46) D
47) C
48) A
49) A
50) C
51) B
52) D
53) C
54) C
55) E
56) E

Physical Geology 17th edition Plummer Test Bank

57) D
58) C
59) D
60) C
61) D
62) C
63) A
64) B
65) A
66) D
67) A
68) B
69) C
70) D
71) C
72) C
73) D
74) A
75) G
76) B
77) D
78) C
79) D
80) D
81) F
82) A

Physical Geology 17th edition Plummer Test Bank