***Physical Geology, 16e* (Plummer)**

**Chapter 1 Introducing Geology, the Essentials of Plate Tectonics,**

**and Other Important Concepts**

1) We depend on geologists for the raw materials we need for survival.

Answer: TRUE

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: FALSE

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Earthquakes; Shorelines

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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.

Answer: FALSE

Topic: Mineral Resources

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Metamorphism

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: FALSE

Topic: Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Earth's Interior

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Earth's Interior

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Nature of Geology

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: FALSE

Topic: Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: FALSE

Topic: Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: FALSE

Topic: Energy Resources

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

16) The North American Plate is all on one plate.

Answer: TRUE

Topic: Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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.

Answer: FALSE

Topic: Metamorphism

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Erosion

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

19) The Earth is about 4.6 billion years old.

Answer: TRUE

Topic: Geologic Time

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

Answer: TRUE

Topic: Nature of Geology

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

A) biosphere

B) hydrosphere

C) atmosphere

D) geosphere

E) solid Earth

Answer: B

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

22) The \_\_\_\_\_\_\_\_ and the Alpine Fault of New Zealand are examples of transform plate boundaries.

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

Answer: C

Topic: Deformation; Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

A) S-wave

B) tidal wave

C) tsunami

D) seiche

E) breaker

Answer: C

Topic: Earthquakes

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

A) pyroclastic cloud

B) mud flow

C) lava flow

D) pyroclastic flow

E) hyaloclastic flow

Answer: D

Topic: Igneous Environments; Volcanoes and Volcanic Hazards

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

25) Eruptive activity at the summit of the Nevada 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.

A) gas cloud

B) mud flow

C) lava flow

D) pyroclastic flow

E) hyaloclastic flow

Answer: B

Topic: Unstable Slopes; Volcanoes and Volcanic Hazards

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

26) 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 \_\_\_\_\_\_\_\_.

A) hydrosphere

B) system

C) trend

D) group

E) formation

Answer: B

Topic: Nature of Geology

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

27) Among other things, geologists are employed as \_\_\_\_\_\_\_\_.

A) petroleum geologists

B) environmental geologists

C) marine geologists

D) hydrogeologists

E) All of the answers are correct.

Answer: E

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

28) Rock deep within the Earth is \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_.

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

Answer: C

Topic: Igneous Environments

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

29) Earth's external heat engine is driven by \_\_\_\_\_\_\_\_.

A) solar power

B) residual cosmic radiation from the Big Bang

C) the decay of radioactive isotopes

D) tides

E) meteor impacts

Answer: A

Topic: Climate, Weather, and Their Influences on Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

30) \_\_\_\_\_\_\_\_ refer(s) to the scientific study of Earth.

A) Hydrology

B) Geology

C) Spheres

Answer: B

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

A) moves upward; moves downward

B) contracts and sinks; expands and rises

C) contracts and rises; expands and sinks

D) expands and sinks; contracts and rises

Answer: A

Topic: Earth's Interior

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

32) The \_\_\_\_\_\_\_\_ is the most voluminous of the Earth's three major concentric zones.

A) core

B) mantle

C) lithosphere

D) asthenosphere

E) crust

Answer: B

Topic: Earth's Interior

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

33) Listed from Earth's center outward, the three concentric zones of Earth are the \_\_\_\_\_\_\_\_.

A) crust, mantle, core

B) mantle, crust, core

C) core, crust, mantle

D) mantle, core, crust

E) core, mantle, crust

Answer: E

Topic: Earth's Interior

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

34) A \_\_\_\_\_\_\_\_ is a scientific concept that has been tested and is in all likelihood true.

A) concept

B) hypothesis

C) theory

D) scenario

E) belief

Answer: C

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

35) \_\_\_\_\_\_\_\_ are geological forces generated inside the Earth.

A) Surficial forces

B) Electrochemical forces

C) Tectonic forces

D) Inertial forces

E) Celestial forces

Answer: C

Topic: Earth's Interior

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

A) earth-altering processes.

B) earth hazards.

C) geologic resources.

D) geospheric processes.

E) geologic hazards.

Answer: E

Topic: Unstable Slopes

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

37) The \_\_\_\_\_\_\_\_ collectively make up the lithosphere.

A) crust and the whole mantle

B) crust and the uppermost part of the mantle

C) crust and the asthenosphere

D) upper and the lower mantle

E) asthenosphere and the upper mantle

Answer: B

Topic: Earth's Interior; Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

38) The \_\_\_\_\_\_\_\_ is soft and therefore flows more readily than the underlying mantle.

A) crust

B) asthenosphere

C) lithosphere

D) core

E) plate

Answer: B

Topic: Earth's Interior; Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

39) A hypothesis that passes repeated tests ultimately becomes \_\_\_\_\_\_\_\_.

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

Answer: D

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

40) After data have been analyzed, tentative explanations or solutions called \_\_\_\_\_\_\_\_ may be proposed.

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

Answer: C

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

41) Plate tectonics is a unifying idea that helps explain where and why there are \_\_\_\_\_\_\_\_ on Earth.

A) earthquakes

B) volcanoes

C) mountain belts

D) oceanic ridges and trenches

E) All of the answers are correct.

Answer: E

Topic: Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

42) The two major types of crust are oceanic crust and \_\_\_\_\_\_\_\_.

A) continental crust

B) lithosphere

C) convergent crust

D) thin crust

Answer: A

Topic: Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

A) solar and internal

B) regional and local

C) expanding and condensing

D) surficial and heat

E) buried and exposed

Answer: A

Topic: Earth's Interior; Nature of Geology

Bloom's: 3. Apply

Accessibility: Keyboard Navigation

Chapter: 01

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

A) crust; plates

B) mantle; plates

C) asthenosphere; plates

D) lithosphere; plates

E) plates; lithosphere

Answer: D

Topic: Earth's Interior; Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

45) A \_\_\_\_\_\_\_\_, by scientists' definition, is something that has been overwhelmingly verified.

A) hypothesis

B) guess

C) prediction

D) theory

Answer: D

Topic: Nature of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

46) Plates are known to be moving away from each other \_\_\_\_\_\_\_\_.

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

Answer: C

Topic: Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

47) A(n) \_\_\_\_\_\_\_\_ boundary occurs where plates move towards one another.

A) convergent

B) concurrent

C) rift

D) abutting

E) transform

Answer: A

Topic: Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

48) The \_\_\_\_\_\_\_\_ of old seafloor takes place at convergent boundaries.

A) destruction

B) creation

C) production

D) erosion

E) extinction

Answer: A

Topic: Plate Tectonics

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

49) The North American plate is moving \_\_\_\_\_\_\_\_.

A) north

B) south

C) west

D) east

E) nowhere, it's fixed

Answer: C

Topic: Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

50) Where a subducting plate slides beneath the lithosphere, melting takes place and a(n) \_\_\_\_\_\_\_\_ is created.

A) plate

B) ocean trench

C) seamount

D) sedimentary rock

E) coral reef

Answer: B

Topic: Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

51) Sedimentary rock that becomes deeply buried may be transformed by heat and pressure into \_\_\_\_\_\_\_\_ rock.

A) soil

B) igneous

C) granite

D) metamorphic

E) All of the answers are correct.

Answer: D

Topic: Metamorphism

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

52) The product of the breakdown of surface rocks by weathering and erosion is \_\_\_\_\_\_\_\_.

A) lava

B) magma

C) sediment

D) quartz

E) ash

Answer: C

Topic: Weathering

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

53) With the cementation of loose particles sediment becomes \_\_\_\_\_\_\_\_.

A) molten

B) metamorphic

C) lithified

D) igneous

E) basalt

Answer: C

Topic: Sedimentary Environments

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

54) \_\_\_\_\_\_\_\_ takes place where moving water, ice, and wind loosen and remove material on the continents.

A) Burial

B) Metamorphism

C) Melting

D) Subsidence

E) Erosion

Answer: E

Topic: Sedimentary Environments; Weathering

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

55) Disintegration of rock at Earth's surface may be facilitated by water \_\_\_\_\_\_\_\_.

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) All of the answers are correct.

Answer: E

Topic: Weathering

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

56) A(n) \_\_\_\_\_\_\_\_ may eventually be formed as layers of sediment are buried by subsequent layers of sediment.

A) igneous rock

B) metamorphic rock

C) sedentary rock

D) sedimentary rock

E) foliated rock

Answer: D

Topic: Sedimentary Environments

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

57) The best geologic data currently available indicates that Earth is approximately \_\_\_\_\_\_\_\_ years old.

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

Answer: C

Topic: Geologic Time

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

58) Which of the following life forms appeared first in the geologic record?

A) dinosaurs

B) mammals

C) plants

D) fishes

E) reptiles

Answer: D

Topic: Geologic Time

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

59) Fossil evidence indicates that complex life forms, capable of generating easily fossilized hard parts like shells or bones, have existed in abundance on Earth since approximately \_\_\_\_\_\_\_\_ years ago.

A) 5,440

B) 544 thousand

C) 544 million

D) 5,440,000,000

E) 544,000,000,000

Answer: C

Topic: Geologic Time

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

60) Fossil evidence indicates that dinosaurs became extinct approximately \_\_\_\_\_\_\_\_ years ago.

A) 65 thousand

B) 650 thousand

C) 6,500,000

D) 65 million

E) 650,000,000

Answer: D

Topic: Geologic Time

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

A) Cenozoic, Mesozoic, Paleozoic

B) Mesozoic, Paleozoic, Cenozoic

C) Paleozoic, Mesozoic, Cenozoic

D) Cenozoic, Paleozoic, Mesozoic

Answer: C

Topic: Geologic Time

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

62) Motion at a transform plate boundary is \_\_\_\_\_\_\_\_.

A) horizontal

B) vertical

C) oblique

Answer: A

Topic: Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

A) convergent

B) divergent

C) transform

D) new

E) old

Answer: B

Topic: Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

64) 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?

A) Japan

B) Peru

C) United States

D) New Zealand

E) Haiti

Answer: A

Topic: Earthquakes

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

A) volcanism

B) sedimentation

C) metamorphism

D) isostatic adjustment

E) lithification

Answer: D

Topic: Earth's Interior

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

66) Rock that forms from solidified magma is \_\_\_\_\_\_\_\_ rock.

A) igneous

B) metamorphic

C) sedimentary

Answer: A

Topic: Rocks

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

67) Oceanic crust is created at \_\_\_\_\_\_\_\_ and destroyed at \_\_\_\_\_\_\_\_.

A) subduction zones; oceanic ridges

B) oceanic-ridges; subduction zones

C) subduction zones; transform boundaries

D) transform boundaries; subduction zones

E) trenches; rifts

Answer: B

Topic: Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

A) crust

B) mantle

C) outer core

D) inner core

Answer: C

Topic: Earth's Interior

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

A) evolution

B) planetesimals

C) electromagnetism

D) continental drift

E) nebular formation

Answer: D

Topic: Plate Tectonics

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01

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

A) the Sun

B) gravity

C) heat flowing from Earth's interior outward

Answer: C

Section: 01.04 An Overview of Physical Geology—Important Concepts

Topic: Earth's Interior; Plate Tectonics

Accessibility: Keyboard Navigation

Chapter: 01

71) A typical rate of plate motion is

A) 3-4 meters per year

B) 1 kilometer per year

C) 1-10 centimeters per year

D) 1,000 kilometers per year

Answer: C

Section: 01.04 An Overview of Physical Geology—Important Concepts

Topic: Plate Tectonics

Accessibility: Keyboard Navigation

Chapter: 01

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

A) transform boundaries

B) divergent boundaries

C) ocean-continent convergence

D) ocean-ocean convergence

Answer: D

Section: 01.04 An Overview of Physical Geology—Important Concepts

Topic: Plate Tectonics; Volcanoes

Accessibility: Keyboard Navigation

Chapter: 01

73) 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

A) physical geology

B) historical geology

C) geophysics

D) paleontology

Answer: A

Section: 01.02 Who Needs Geology?

Topic: Study of Geology

Accessibility: Keyboard Navigation

Chapter: 01

74) Which is a geologic hazard?

A) earthquake

B) volcano

C) mudflows

D) floods

E) wave erosion at coastlines

F) landslides

G) All of these choices are correct.

Answer: G

Section: 01.02 Who Needs Geology?

Topic: Study of Geology

Accessibility: Keyboard Navigation

Chapter: 01

75) The largest zone of Earth's interior, by thickness, is the

A) crust

B) mantle

C) outer core

D) inner core

Answer: B

Section: 01.03 Earth Systems

Topic: Earth's Interior

Accessibility: Keyboard Navigation

Chapter: 01

76) Oceanic and continental crust differ in

A) composition

B) density

C) thickness

D) All of these choices are correct.

Answer: D

Section: 01.04 An Overview of Physical Geology—Important Concepts

Topic: Earth's Interior; Plate Tectonics

Accessibility: Keyboard Navigation

Chapter: 01

77) 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

A) erosional forces

B) gravitational forces

C) tectonic forces

D) all of the preceding

Answer: C

Section: 01.04 An Overview of Physical Geology—Important Concepts

Topic: Plate Tectonics; Study of Geology

Accessibility: Keyboard Navigation

Chapter: 01

78) Plate tectonics is a

A) conjecture

B) opinion

C) hypothesis

D) theory

Answer: D

Section: 01.04 An Overview of Physical Geology—Important Concepts

Topic: Study of Geology

Accessibility: Keyboard Navigation

Chapter: 01

79) Which is a type of a plate boundary?

A) divergent

B) transform

C) convergent

D) All of these choices are correct.

Answer: D

Section: 01.04 An Overview of Physical Geology—Important Concepts

Topic: Plate Tectonics

Accessibility: Keyboard Navigation

Chapter: 01

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

A) the Sun

B) gravity

C) heat flowing from Earth's interior outward

Answer: A, B

Section: 01.04 An Overview of Physical Geology—Important Concepts

Topic: Study of Geology

Accessibility: Keyboard Navigation

Chapter: 01

81) Western economies rely on which of the following?

A) petroleum

B) metals

C) coal

D) uranium

E) natural gas

F) All of these choices are correct.

Answer: F

Section: 01.02 Who Needs Geology?

Topic: Mineral Resources; Study of Geology

Bloom's: 1. Remember

Accessibility: Keyboard Navigation

Chapter: 01

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

A) an egg (thin shell, white, yolk)

B) a balloon (thin stretchable shell and air)

C) a bowling ball (rigid shell and air)

D) a baseball (soft shell and compressible core)

Answer: A

Section: 01.04 An Overview of Physical Geology—Important Concepts

Topic: Earth's Interior

Bloom's: 2. Understand

Accessibility: Keyboard Navigation

Chapter: 01