

# NAT Grade 10 Reviewer

Science

Part 1

1. Earth is the only planet to be named in English. The word "Earth" is an old English word for \_\_\_\_

a. Land

b. Soil

c. Island

Answer: A. Land

2. The study of the size and shape of the earth is called \_\_\_\_

a. Geology

b. Geodensee

c. Geodesy

Answer: C. Geodesy

3. It is the transition boundary between the Earth's crust and the mantle.

a. Lehman

b. Gutenberg

c. Moho

Answer: C. Moho

4. "Ignis" is the Latin word for \_\_\_\_

a. Fire

b. Lava

c. Magma

Answer: A. Fire

5. It is a type of sedimentary rock that is made of broken pieces of other rocks

a. Chemical

b. Clastic

c. Organic

Answer: B. Clastic

6. It pertains to any movement of the solid part of the Earth and will result in deformation of the Earth's crust.

a. Diastrophism

b. Earthquake

c. Volcanism

Answer: A. Diastrophism

7. A sudden slipping or movement of a portion of the Earth's crust, followed by a series of vibrations.

a. Aftershock

b. Earthquake

c. Volcanism

Answer: B. Earthquake

8. What theory explains that the earth is shrinking because it is cooling due to great pressure squeezes parts of the earth into a smaller volume?

- a. Theory of isostasy
- b. The contraction theory
- c. Convection theory

Answer: B. The contraction theory

9. \_\_\_\_ occurs when large masses of rocks in the crust slide and slip against each other due to great forces coming from different directions.

- a. Trenching
- b. Faulting
- c. Folding

Answer: B. Faulting

10. A type of mountain that is found where continents have collided.

- a. Dome mountains
- b. Fault mountain
- c. Folded mountain

Answer: C. Folded mountain

11. An unusual type of mountain that is formed when molten rock rises but does not break through the surface.

- a. Dome mountains
- b. Fault mountains
- c. Folded mountains

Answer: A. Dome mountains

12. The world's highest mountain ridges, like the ANDES and the \_\_\_\_\_

- a. Cascade Mts
- b. Appalachian Mts
- c. Himalayas

Answer: C. Himalayas

13. \_\_\_\_ also called composite volcanoes and formed of layers of lava and ashes.

- a. Stratovolcanoes
- b. Acid volcanoes
- c. Basaltic volcanoes

Answer: A. Stratovolcanoes

14. A type of volcano that is viscous and does not run very far, creating a lava dome.

- a. Basaltic volcanoes
- b. Acid volcanoes
- c. Stratovolcanoes

Answer: B. Acid volcanoes

15. The following is where volcanoes occur EXCEPT:

- a. Subduction zones
- b. Hot spot
- c. Additional zones

Answer: C. Additional zones

16. \_\_\_ means "mountain foot"

- a. Intermontane plateaus
- b. Piedmont plateau
- c. Continental plateaus

Answer: B. Piedmont plateau

17. \_\_\_ means "between mountains"

- a. Intermontane plateaus
- b. Piedmont plateau
- c. Continental plateaus

Answer: A. Intermontane plateaus

18. \_\_\_ are composed of fragments eroded from the rocks along the shore by ocean waves or carried into the sea by rivers.

- a. Coastal plains
- b. Interior marine plains
- c. Lake plains

Answer: A. Coastal plains

19. What do you think will happen if the diameter of the Earth's poles will be the same as the length to its diameter at the equator?

- a. The Earth shape will be an oblate spheroid

b. The Earth shape will be a perfect sphere

c. The Earth shape will be flat

Answer: A. The Earth shape will be an oblate spheroid

20. Continental crust: SIAL Layer: \_\_\_\_: FEMA Layer

a. Oceanic crust

b. Mantle

c. NiFe Layer

Answer: A. Oceanic crust

21. Once a rock is formed, does it stay the same rock forever?

a. Yes! Rock does not undergo any changes

b. No! Rocks are continually changed by many processes

c. Sometimes

Answer: B. No! Rocks are continually changed by many processes

22. What is the difference between a rock and a mineral?

a. Minerals are made up of one or more rocks

b. Rocks are made up of one or more minerals

c. Rocks are made up of one or more rocks

Answer: B. Rocks are made up of one or more minerals

23. What is the turning point of sedimentary rocks when it is heated or undergoes pressure?

a. It will turn into igneous rocks

b. Nothing will happen

c. It will turn into metamorphic rock

Answer: C. It will turn into metamorphic rock

24. What would happen if igneous rocks undergo weathering and compaction?

a. An igneous rock will become a sedimentary rock

b. Igneous rocks will become metamorphic rocks

c. It will not change a thing

Answer: A. An igneous rock will become a sedimentary rock

25. What do you think could happen when there are upward forces acting on the crust?

a. There will be a widespread sinking of the crust

b. It can cause land masses to crumble, break, and slip against each other

c. It can cause widespread rising of the crust

Answer: C. It can cause widespread rising of the crust

26. What do you think will happen if there is a horizontal force moving in the same direction on its landmasses?

a. It can cause landmasses to crumple, break, and slip against each other

b. It can cause the widespread sinking of the crust

c. It causes the widespread rising of the crust

Answer: A. It can cause landmasses to crumple, break, and slip against each other

27. Who do you think is the proponent of the continental drift theory?

- a. Alfred Wegener
- b. Sir Isaac Newton
- c. Aristotle

Answer: A. Alfred Wegener

28. Folded Mountains: Appalachian Mts: Volcanic Mts: \_\_\_\_\_

- a. Cascade Mts
- b. Adirondack, NY
- c. Appalachian Mts

Answer: B. Adirondack, NY

29. Fault-Block Mts: \_\_\_\_\_: Dome Mountains: Adirondack, NY

- a. Cascade Mts
- b. Grand Teton Mts
- c. Colorado Plateau

Answer: B. Grand Teton Mts

30. What do you think is the economic importance of the plains?

- a. Excellent sites for airports
- b. Plains can be dammed to impound water as a large reservoir
- c. Waters of the reservoir can be used for irrigation

Answer: C. Waters of the reservoir can be used for irrigation



