



ST. JEROME SCHOOL OF NOVALICHES

10 General Malvar St., T.S. Cruz Subdivision, Novaliches Quezon City
SCHOOL YEAR 2020 – 2021

“Your journey to excellence starts here...”

EARTH AND LIFE SCIENCE MIDTERMS

50

DURATION: 40 MINUTES

Date: ____/____/____

Name of Learner: Talingdan Rogelio Gio C.

(Last Name, First Name Middle Name)

Parents’/Guardian’s Signature

Grade Level & Section: _____

Teacher: _____

General Directions:

- This is a 60 – item test, read each directions written in every type of test,
- Answer this test in 40 minutes.
- Follow the test decorum.

Test. Read and Answer. Choose the best answer.

Reading without comprehension is no absolute value.

1. It is the understanding of the origin, evolution, structure and fate of the universe.
a. **Cosmology** b. Petrology c. Geology d. Meteorology
2. Refers to earth’s interlacing physical, chemical and biological changes.
a. Earth’s structure b. Earth’s Geological scale c. **Earth’s System** d. None of these
3. It is solid portion of the earth that includes the interior structure, rocks and minerals, landforms, all the continents, ocean floors, down to the deep depth of the core, and the processes that shape earth’s surface.
a. Hydrosphere b. **Geosphere** c. Atmosphere d. Biosphere
4. Includes all life forms and even’ organic matter that has not yet decomposed.
a. Hydrosphere b. Geosphere c. Atmosphere d. **Biosphere**
5. Mixture of gases that surround the’ planet such as nitrogen, oxygen, argon, carbon dioxide, and water vapor can be found in it.
a. Hydrosphere b. Geosphere c. **Atmosphere** d. Biosphere
6. Which of the following best describes rocks?
a. It is made of one mineral b. It is not made of mineral c. Most rocks are a mixture of minerals d. **All of the Above**
7. All of the following are examples of igneous rock, EXCEPT
a. **Granite** b. Obsidian c. Limestone d. Pumice
8. The process that breaks rock into smaller pieces.
a. **weathering** b. erosion c. solidification d. metamorphism
9. A kind of rock that is formed by the deposition of multiple layers of sediment in a process known as lithification.
a. Metamorphic rock b. **Sedimentary rock** c. Igneous Rock d. Magma
10. A kind of rock that is formed by molten rock (magma) which has cooled and solidified or by ash produced by a volcanic eruption.
a. Metamorphic rock b. Sedimentary rock c. **Igneous Rock** d. Magma
11. It is the process of breaking down rock through chemical changes.
a. **chemical weathering** b. erosion c. solidification d. metamorphism

12. It is a natural process in which a material is carried to the bottom bodies of water and form to solid.
- a. chemical weathering b. erosion **c. sedimentation** d. metamorphism
13. It is the movement of rock, soil and regolith downward due to the action of gravity.
- a. mass wasting** b. Erosion c. Weathering d. Exogenic
14. He first articulated the continental drift hypothesis.
- a. Alfred Wegener** b. Andrija Mohorovicic c. James Jean d. Sir Harold Jeffreys
15. Prevailing cosmological model for the early development of the universe.
- a. Cosmic Inflation Theory b. Steady state theory **c. Big bang Theory** d. Nebular Hypothesis
16. It is an underwater mountain range, formed by plate tectonics.
- a. abyssal plain **b. Mid-ocean ridge** c. Tectonic plate d. trench
17. A type of excavation or depression in the ground that is generally deeper than it is wide and narrow compared with its length.
- a. abyssal plain b. Mid-ocean ridge c. Tectonic plate **d. trench**
18. Is a record of the life forms and geological events in Earth's history.
- a. History **b. Geological time scale** c. Age of the Earth d. Era of origin
19. It helps scientist to determine the absolute divisions in the time scale.
- a. Time scale b. Carbon dating c. Radioactive dating **d. both a and b**
20. This era covers 88% of earth's history.
- a. Pre- cambrian b. Mesozoic c. Cenozoic **d. Paleozoic**

Test II. Answer the following, refer to the box below.

Abrasion —	Pangaea
Exogenic Processes	104.6 Billion
Endogenic Processes	Nitrogen
Weathering	faulting
Paleozoic Era	folding

- Explosion of life in the oceans began during this era. **Paleozoic Era**
- Sand and rock carried by wind, water, ice wears away surface rock when rocks collide. **Faulting**
- Breaking down rocks into smaller pieces. **Weathering**
- Most abundant gas in the Atmosphere. **Nitrogen**
- Estimated age of the Earth. **104.6 Billion**
- Also known as Supercontinent. **Pangea**
- Geological processes associated with energy originating in the interior of the solid earth. **Endogenic Processes**
- Processes include geological phenomena and processes that originate externally to the Earth's surface. **Exogenic Processes**
- It is the type of Earth's movement resulting from the compression of rock because of high temperature and pressure from the interior of Earth. Bending, curving, crumpling, or buckling of rocks into folds. **Folding**
- They form cracks or fractures on the rocks. The movement is caused by low temperatures that make rocks brittle. Instead of folding, rocks break into large chunks. **Abrasion**

Test. III. Arrange the jumbled letters to form a word. (Layers and Exogenic Processes)

- IONEORS : **EROSION**
- CROKS : **ROCKS**

3. EHRESPILTOH : **LITHOSPHERE**
4. INGBUORRW : **BURROWING**
5. GINGEDWECI : **ICE WEDGING**

Test IV. Enumeration. Give what is being asked.

1-4. Layers of Atmosphere

Thermosphere

Stratosphere

Mesosphere

Troposphere

5-7. Layers of the Earth

Core

Mantle

Crust

8-11. Four agents of Erosion

Ice

Water

Gravity

Air

12-14. Three types of Rocks

Igneous Rock

Sedimentary Rock

Metamorphic Rock

15. Give at least one example of Physical weathering.

Erosion

Test V. Essay. For 5 Points elaborate your answer.

Is it important to preserve our natural resources like rocks, minerals, marines' lives and land animals? Why? Elaborate your answer.

It is important to preserve our natural resources, for the reason being we need it to be alive, our life rather our species is very reliant on nature to live. Having it misused or mistreated resources is can be a big factor in that affect of our living. Having a problem in nature like "Depletion and Scarcity" of resource is already a big factor that affected our lives. Also, there is a problem from "Illegal Logging, Mining and Dynamite fishing" which affect our natural forest, mountain, and marine life. Illegal Logging affect us with different catastrophic effects just like Floods, Landslide. While Illegal Mining affect us by the loss of strength of land which might lead to a large landslide and Mass movement. While Dynamite Fishing effects heavily in our marine life, destroy our natural coral reef also, dynamite chemical is polluting. All the given factor that I said is just the minimal factor what they can really affect us. With misused or mistreated natural resource, it can be going in the point that It can't be fix at all. The worse we treat our nature the worse it gets to live. All the catastrophic deed of humans will really affect us in over in a future. Having that stated, preserving our home rather the earth itself

will be a great idea in order to prolonged our legacy as human being in this planet also preserving the nature is already a great help future generation of the HUMANS

We are also Aliens in this planet, live with it, live by it and be a human. If you think you are not an alien, Save Mother Earth.

-J. Rie

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