

# MY SO PRACTICE TEST

DIVISION B - MIDDLE SCHOOL, GRADES 6-9

## PRACTICE TEST

### Instructions

- You have 50 minutes to complete this test.
- You may write your answers directly in the test.
- You may use any notes or resources you have created or collected.
- You may use a calculator and scratch paper if necessary.
- Good Luck!

### Test Questions

1. When determining the color of a mineral's powder, what tool would you need?
  - a. Hand Lens
  - b. Microscope
  - c. Streak Plate
  - d. Triple-Beam Balance
2. When determining which minerals will scratch other minerals, you would need to refer to the:
  - a. Mohs Hardness Scale
  - b. Periodic Table of Elements
  - c. Richter Scale
  - d. Rocks Guide Book
3. Which indicator would not be good as the only indicator when identifying a mineral?
  - a. Breaking Pattern
  - b. Color
  - c. Hardness
  - d. Specific Gravity
4. The lowest number on the Mohs Hardness Scale matches the hardness of
  - a. Copper
  - b. Diamond
  - c. Nickel
  - d. Talc

5. Cleavage is the...
  - a. powder left behind by the mineral
  - b. the way the mineral breaks along lines of weakness
  - c. the way the mineral feels
  - d. the way the mineral reflects light
6. Fracture or cleavage of a mineral tells you the:
  - a. Breakage Pattern
  - b. Color
  - c. Hardness
  - d. Temperature
7. Which of the following is the definition of luster?
  - a. powder left behind by the mineral
  - b. the way the mineral breaks
  - c. the way the mineral feels
  - d. the way the mineral reflect light
8. Which of the following minerals is higher than the others on the Mohs Hardness Scale?
  - a. Calcite
  - b. Corundum
  - c. Fluorite
  - d. Quartz
9. Which of the following is not true of all minerals?
  - a. Inorganic
  - b. Made in laboratories
  - c. Naturally Occurring
  - d. Solid
10. Another word for density is...
  - a. Crystal Shape
  - b. Fracture
  - c. Hardness
  - d. Specific Gravity
11. Which of the following is not a form of transparency?
  - a. Opaque
  - b. Solid
  - c. Translucent
  - d. Transparent
  - e.
12. What are the two main types of luster?
  - a. Dark and Light
  - b. Foliated and Nonfoliated
  - c. Intrusive and Extrusive
  - d. Metallic and Nonmetallic

13. The process where sediment becomes glued together is called.
- Cementation
  - Compaction
  - Erosion
  - Weathering
14. \_\_\_\_\_ rocks form when rock buried deep inside the Earth change without melting or weathering.
- Igneous
  - Metamorphic
  - Sediment
  - Sedimentary
15. Rocks formed under great pressure but no heat are \_\_\_\_\_?
- Compaction
  - Igneous
  - Metamorphic
  - Sedimentary
16. Molten rock material found on the Earth's surface is \_\_\_\_\_.
- Lava
  - Magma
  - Metamorphic
  - Obsidian
17. Which type of igneous material cools fastest?
- Lava
  - Magma
  - Sandstone
  - Sediments
18. What is the Rock Cycle?
- The circular path the rock travels
  - How rocks are created from dirt
  - Process of how rocks are formed from dead plants and animals
  - Process that forms and recycles different rocks.
19. What is the process that helps form existing rock into metamorphic rocks?
- Compaction/Cementation
  - Heat/Pressure
  - Melting
  - Weathering/Erosion
20. What is the process that helps form existing rock into sedimentary rock?
- Compaction
  - Erosion
  - Weathering
  - All of these

21. \_\_\_\_\_ rock may contain fossils
- Igneous
  - Metamorphic
  - Sedimentary
  - None of these
22. \_\_\_\_\_ rock will have banded (ribbon like) layers
- Igneous
  - Metamorphic
  - Sedimentary
  - None of these
23. \_\_\_\_\_ rock that has cooled fast may look like glass
- Igneous
  - Metamorphic
  - Sedimentary
  - None of these
24. \_\_\_\_\_ is the term used to describe how sediments are carried to another place.
- Cementation
  - Compaction
  - Erosion
  - Weathering
25. Movement of the Earth's tectonic plates creates extreme \_\_\_\_\_ below Earth's surface
- Compaction/Cementation
  - Explosions
  - Heat/Pressure
  - Weathering/Erosion

# ANSWER KEY

- |     |          |     |          |
|-----|----------|-----|----------|
| 1.  | <b>C</b> | 15. | <b>D</b> |
| 2.  | <b>A</b> | 16. | <b>A</b> |
| 3.  | <b>B</b> | 17. | <b>A</b> |
| 4.  | <b>D</b> | 18. | <b>D</b> |
| 5.  | <b>B</b> | 19. | <b>B</b> |
| 6.  | <b>A</b> | 20. | <b>D</b> |
| 7.  | <b>D</b> | 21. | <b>C</b> |
| 8.  | <b>B</b> | 22. | <b>B</b> |
| 9.  | <b>B</b> | 23. | <b>A</b> |
| 10. | <b>D</b> | 24. | <b>C</b> |
| 11. | <b>B</b> | 25. | <b>C</b> |
| 12. | <b>D</b> |     |          |
| 13. | <b>A</b> |     |          |
| 14. | <b>B</b> |     |          |