Science Central Exam Practice

Choose the correct answer:

1. **A conglomerate is an example of which type of rocks?**
   a. Intrusive igneous rocks
   b. Sedimentary rocks
   c. Extrusive igneous rocks
   d. Metamorphic rocks

2. **Which properties are most helpful in identifying minerals?**
   a. Luster and streak
   b. Weight and shape
   c. Size and ability to float
   d. Shape and color

3. **Which property describe minerals that break along smooth surface?**
   a. Hardness
   b. Cleavage
   c. Fracture
   d. Color

4. **Which property can describe how easily a mineral can be scratched?**
   a. Streak
   b. Hardness
   c. Reaction to acid
   d. Cleavage

5. **Which is the C-horizon of soil made of?**
   a. Clay
   b. Humus
   c. Bedrock
   d. Large rocks

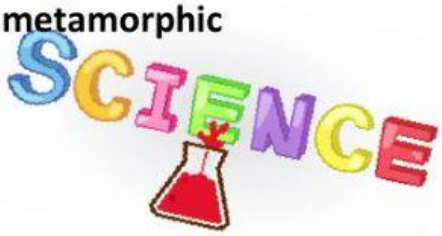
6. **From which material does an extrusive rock form?**
   a. Lava
   b. Magma
   c. Mineral
   d. Sediments

7. **Which is strip farming?**
   a. Planting grasses between crop rows
   b. Adding fertilizer to the soil
   c. Cutting shelves in hills
   d. Planting tress around crops

8. **All are changes that happen in a rock cycle except ….**
   a. Metamorphic rocks → Magma
   b. Igneous rocks → Sediments
   c. Sediments → Sedimentary rocks
   d. Magma → Sedimentary rocks

9. **You are trying to find out what kind of mineral you have. You will need a white tile to find out which property?**
   a. Color
   b. Streak
   c. Luster
   d. Hardness

10. What causes an igneous rock to change into a metamorphic rock?



a. Weathering and erosion
b. Heat and pressure
c. Compaction and cementation
d. Melting and cooling

11. A student tested the hardness of four mineral samples by using each sample to scratch the others. Mineral 1 scratched Mineral 2 but would not scratch Mineral 3. Mineral 2 would not scratch any of the other minerals. Mineral 4 scratched Mineral 3. Which list shows the mineral samples in order from the softest to the hardest?

a. 1,2,3,4
b. 1,3,4,2
c. 2,4,1,3
d. 2,1,3,4

12. A student placed a liquid on a mineral and the mineral began to fizz and bubble. What property was the student investigating?

a. Reaction to acid
b. Cleavage
c. Hardness
d. Luster

13. The chart above lists characteristics of the three main rock groups. Which order correctly fills in the left column (top to bottom)?

a. Igneous, sedimentary, metamorphic.
b. Lava, igneous, metamorphic.
c. Sedimentary, metamorphic, igneous
d. Igneous, metamorphic, sedimentary

Rock Group	Characteristics
	forms as melted rock cools and hardens into a solid
	forms when rocks are exposed to increases in heat and pressure
	forms when pieces of rocks and minerals are cemented together

14. Copper has hardness of 3 Which minerals would copper most likely scratch?

a. Topaz and talc.
b. Apatite and diamond
c. Gypsum and talc
d. Feldspar and quartz

Hardness	Mineral
1	talc
2	gypsum
3	calcite
4	fluorite
5	apatite
6	feldspar
7	quartz
8	topaz
9	corundum
10	diamond

15. Did you enjoy studying science this year?

a. Yes 😊
b. Not So Much 😟
c. No 👽

Best Wishes

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