

Name: _____

Date: _____

1. Granite is a kind of

- A. energy.
- B. fossil.
- C. rock.
- D. mineral.

2. Stan saw tiny crystals inside a rock. He should know that the rock has

- A. a fossil inside.
- B. minerals inside.
- C. soil inside.
- D. air inside.

3. Which animal part would MOST LIKELY form a fossil?

- A. muscle
- B. fur
- C. lung
- D. bone

4. In science class Teri used a hand lens to look at a material. She wrote, "It has very small pieces that look like tiny rocks. I also see pieces of dead leaves and stems. Mostly I see dark brown pieces." Teri was MOST LIKELY looking at

- A. fossils.
- B. minerals.
- C. crystals.
- D. soil.

5. Donna wants to make something that looks like a fossil. Which should she do?

- A. wrap a leaf around a rock and freeze it
- B. cover a seed with soil and water it
- C. push a shell into clay and pull it out
- D. mix sand with clay and let it dry

6. For a living thing to become a fossil, the living thing must

- A. have a skeleton.
 - B. have a hard outer shell.
 - C. die by drowning in water.
 - D. be dead for a very long time.
-

7. Which could become a fossil?

- A. a leaf that falls on a grassy lawn
 - B. a dog's footprint on a wet sidewalk
 - C. a dead bird buried in wet clay
 - D. a worm crawling through the grass
-

8.

Use the table below to answer this question.

Condition	Dark (dark grey, brown to black)	Moderately dark (brown to yellow brown)	Light (pale brown, yellow)
Organic Matter (decaying materials)	High	Medium	Low
Aeration (air in soil)	High	Medium	Low
Fertility	High	Medium	Low

Which soil is the most fertile?

- A. yellow soil
 - B. pale brown soil
 - C. yellow brown soil
 - D. dark brown soil
-

9. *Use the table below to answer this question.*

Type	Drainage
Columns	Good
Blocky	Moderate
Granular	Best

Tammie digs a shovel full of dirt that looks granular. How does this soil drain after a heavy rain?

- A. very slowly
 - B. slowly
 - C. quickly
 - D. not at all
-

10. Use the table below to answer this question.

Soil Type	Texture
Sandy	Gritty and loose
Loam	Partly sticky and smooth
Clay	Very sticky, smooth with a plastic feeling

Eric squeezes some wet soil in his hand. It is not sticky and it falls apart. Which type of soil is this?

- A. sandy
 - B. loam
 - C. clay
 - D. It cannot be determined.
-

11. Which rock breaks up the fastest?

- A. rock deep underground
 - B. rock with small crystals
 - C. rock with fossils
 - D. rock that is easy to scratch
-

12. Pedro saw dinosaur footprints at the museum. Pedro probably was looking at fossils formed in

- A. coal.
 - B. rocks.
 - C. crystals.
 - D. living things.
-

13. Soil is a mix of materials. Which is NOT a part of soil in nature?

- A. dead plants
 - B. dead animals
 - C. rock pieces
 - D. plastic pieces
-

14. If you found a fossil of a leaf in a rock, you would know that the fossil formed when

- A. someone pressed the leaf against a soft rock.
 - B. the leaf fell into soil that later became a rock.
 - C. the leaf melted into the rock.
 - D. the leaf grew inside of the rock.
-

15. Which part of an animal might form a fossil?

- A. brain
 - B. bones
 - C. eyes
 - D. heart
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16. Sid has a rock collection. He found a new rock but he thinks he already has a rock of that kind. What should he do to find out?

- A. look in his collection for rocks of the same color
 - B. wait until he finds more rocks like the new one
 - C. draw a picture of the new rock
 - D. read a book about rocks
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17. If you found a rock with fossils in it, you would know that the rock was probably formed

- A. by a volcano.
 - B. beneath layers of other rock.
 - C. in a mountain area.
 - D. near Earth's center.
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18. Which test is used to show the color of minerals found in certain rocks?

- A. scratch test
 - B. streak test
 - C. smell test
 - D. shininess test
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19. A scratch test measures which property of a mineral?

- A. color
 - B. luster
 - C. hardness
 - D. texture
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20. A fish fossil might form when a fish dies and

- A. is trapped in ice.
- B. a volcano erupts.
- C. river mud becomes rock.
- D. is pressed into soft rock.

Answer Key

1. C) rock.
2. B) minerals inside.
3. D) bone
4. D) soil.
5. C) push a shell into clay and pull it out
6. D) be dead for a very long time.
7. C) a dead bird buried in wet clay
8. D) dark brown soil
9. C) quickly
10. A) sandy
11. D) rock that is easy to scratch
12. B) rocks.
13. D) plastic pieces
14. B) the leaf fell into soil that later became a rock.
15. B) bones
16. A) look in his collection for rocks of the same color
17. B) beneath layers of other rock.
18. B) streak test
19. C) hardness
20. C) river mud becomes rock.