

TAKEN FOR "GRANITE"

Spewing, erupting volcanoes . . . high temperatures . . . tons of pressure . . . deposits of buried and hardened fragments . . . all of these lead to something we take for granted—the common (or not so common) ROCK! You might think rocks are pretty ordinary, not worth a lot of attention. Or you may be a serious rock hound (someone who loves, collects, and studies rocks). Whichever you are, it's good to know about rocks, because they're a pretty fundamental part of your world.

Show that you don't take rocks for granted by answering the questions on these two pages (152 and 153). You'll find some help on the rocks at the bottom of both pages. An answer may be used more than once.

1. What are the three big groups of rocks? _____

2. Which rocks are formed from hardened lava that flowed from volcanoes? _____
3. What is the name of a very porous igneous rock that is so light that it floats? _____
4. What are the hollow ball-like objects, such as quartz, which are found in sedimentary rocks? _____
5. Which kind of metamorphic rocks are massive and lack banding?

6. What happens to rock fragments that get buried after a long time?

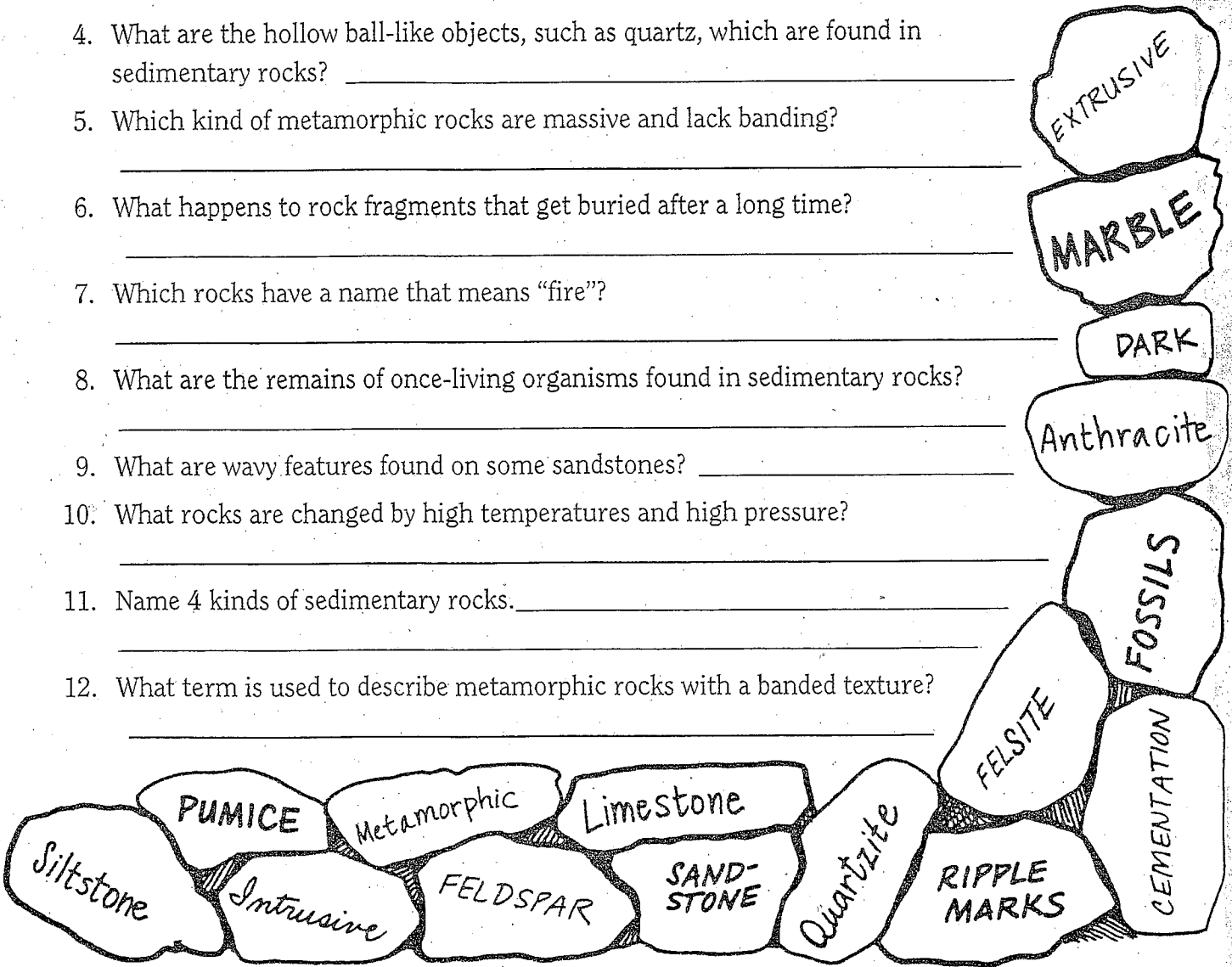
7. Which rocks have a name that means "fire"?

8. What are the remains of once-living organisms found in sedimentary rocks?

9. What are wavy features found on some sandstones? _____
10. What rocks are changed by high temperatures and high pressure?

11. Name 4 kinds of sedimentary rocks. _____

12. What term is used to describe metamorphic rocks with a banded texture?

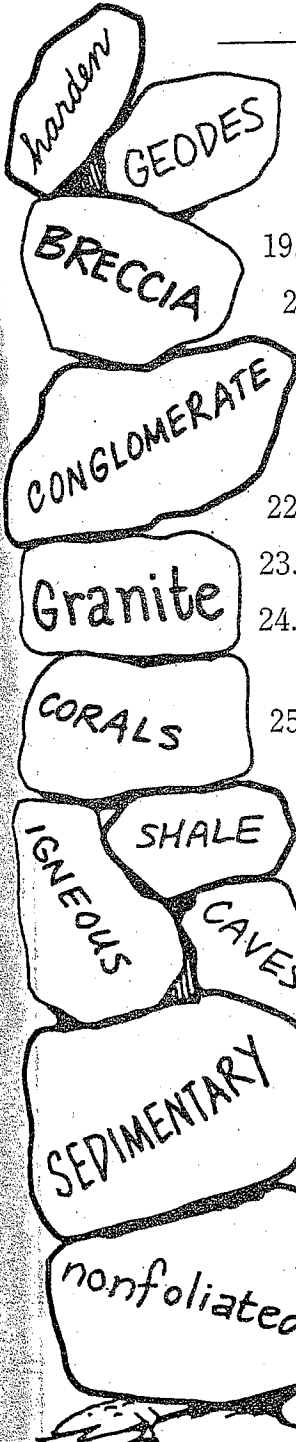


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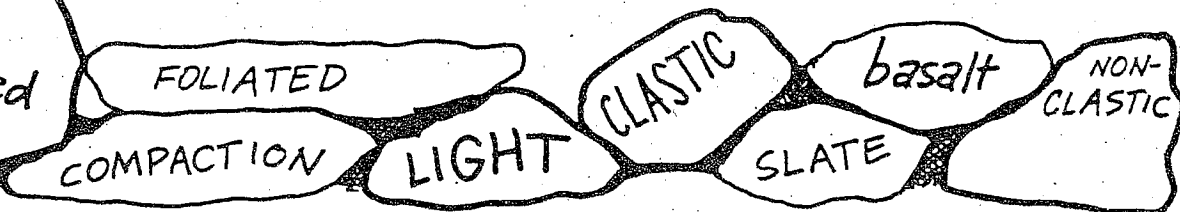
Name _____

Use with page 152.

- 13. What kinds of rocks are similar to layers of cake? _____
- 14. Basaltic magma would form what color of igneous rock? _____
- 15. What 2 groups of rocks are formed from all 3 kinds of rocks? _____
- 16. What class of sedimentary rocks is made of fragments of rocks, minerals, and shells? _____



- 17. Which igneous rocks are coarse-grained due to slow cooling? _____
- 18. Name 4 kinds of metamorphic rocks. _____
- 19. What kinds of rocks are caused by weathering? _____
- 20. Name 4 kinds of igneous rocks. _____
- 21. What is the class that includes sedimentary rocks which are deposited from a solution made by organic processes? _____
- 22. What metamorphic rock is commonly known as "coal"? _____
- 23. Which igneous rocks are fine-grained due to fast cooling? _____
- 24. What process happens when mud or silt is buried and water and air are squeezed out, producing such rocks as shale? _____
- 25. What process happens when minerals are precipitated out of water and hold particles of rock together? _____
- 26. What rocks are a mix of rounded pebbles and sand? _____
- 27. What rocks are a mix of sharp, angular pebbles? _____
- 28. What sedimentary rock is formed from thin layers of clay compacted very tightly together? _____
- 29. Where is the precipitate calcite commonly found to create interesting formations in the ground? _____
- 30. What animals secrete calcite around their bodies, forming massive reefs? _____



Name _____