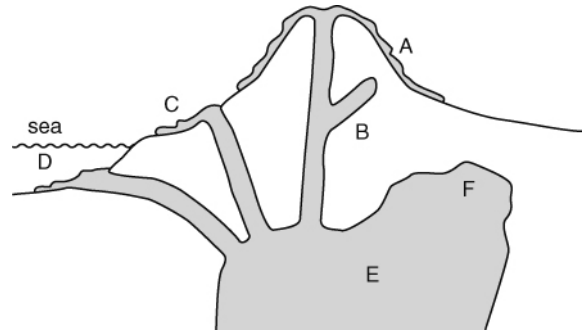


Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

- 1 a What 'C' is the part of the Earth we live on? \_\_\_\_\_
- b What 'M' is the name for molten rock underground? \_\_\_\_\_
- c What 'L' is the name for molten rock that comes out of the ground? \_\_\_\_\_

2 The diagram shows places (A–F) where molten rock has solidified to form igneous rocks.

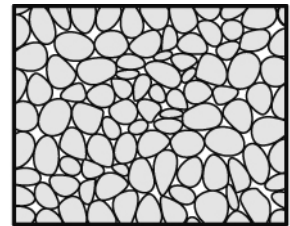
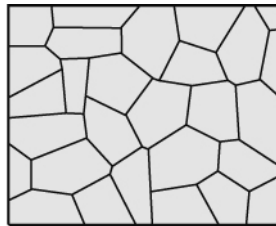


- a In which two places would the molten rock have cooled down at the same rate?  
\_\_\_\_\_
- b Write places B, D and E in order of how quickly they would cool down, starting with the one that would cool the fastest.  
\_\_\_\_\_

When molten rock cools quickly, it forms rocks with small crystals.

- 3 Write down the name of an igneous rock with
- a small crystals \_\_\_\_\_
- b large crystals \_\_\_\_\_
- 4 Look at the diagram in question 2 again. Write down the letter of one place where you would find:
- a rocks with large crystals \_\_\_\_\_
- b rocks with small crystals \_\_\_\_\_
- 5 Quartzite is a metamorphic rock formed from sandstone. The drawings show the textures of these two rocks.
- a What *two* processes can change a rock into a metamorphic rock? \_\_\_\_\_

- b Write the correct names under the drawings.



- c Explain how you worked out your answer.  
\_\_\_\_\_  
\_\_\_\_\_

**I can...**

- describe factors that affect the size of crystals in rocks
- recall the processes that form metamorphic rocks
- identify the textures of different types of rock.