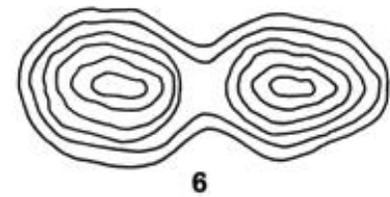
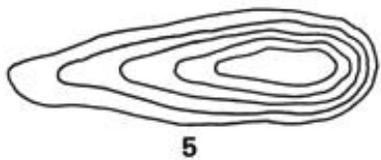
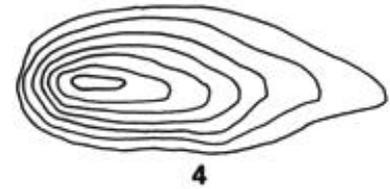
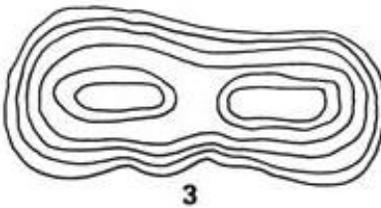
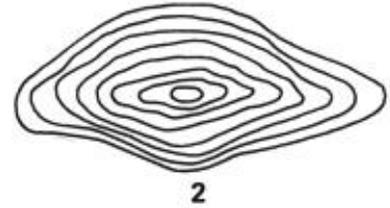
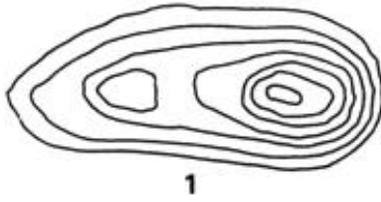


Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

### Plate Tectonics & Topographic Maps Test REVIEW

**Directions:** Draw a profile for each topographic map.

1. - 6.

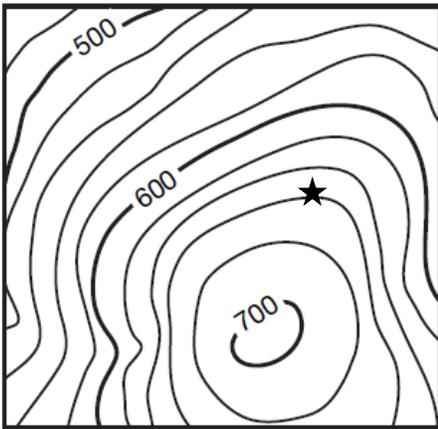


Use the topographic map below to answer questions 7 – 9.

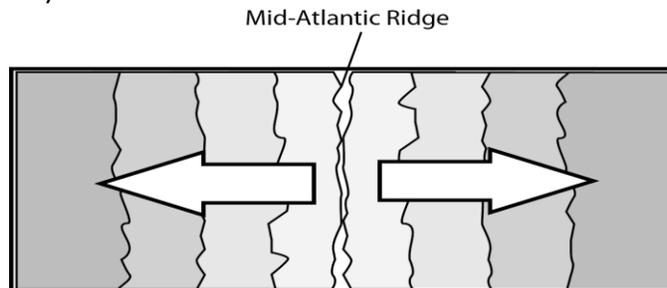
### Topographic Map

Contour interval: 20 meters

Scale: 1 cm = 1 km



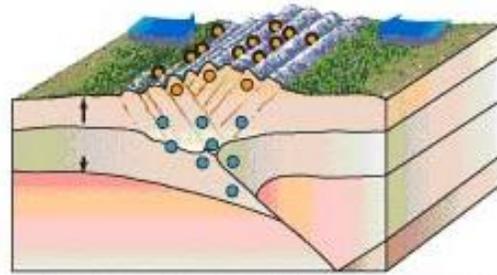
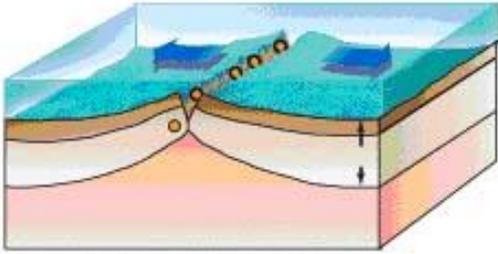
7. What is the major landform shown on the topographic map above?
8. What is the elevation of the star ★ on the map?
9. If it is 9 cm across the map, how far would you have to walk to go from one side of the map to the other?
10. As a river enters a larger body of water, sediments are deposited over a wide area. What landform is likely to be formed at the site of deposition?
11. Even before modern observations provided evidence that supports the Theory of Plate Tectonics, people developed theories that the continents were once joined together. Using only maps, they observed that
12. Examining rocks that form on either side of the Mid-Atlantic Ridge provides evidence that supports the theory of Plate Tectonics.



This is because we see evidence of plate movement in the fact that as we look at rocks farther and farther from the ridge, the rocks:

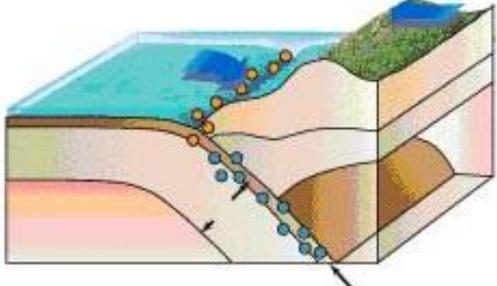
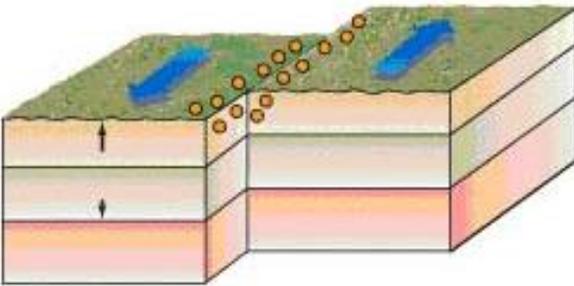
13. The border between two tectonic plates lies below the state of California. The interaction of these two plates results in:

15. Name the type of plate boundary for each of the pictures below, and describe the land forms that develop in those areas.



\_\_\_\_\_

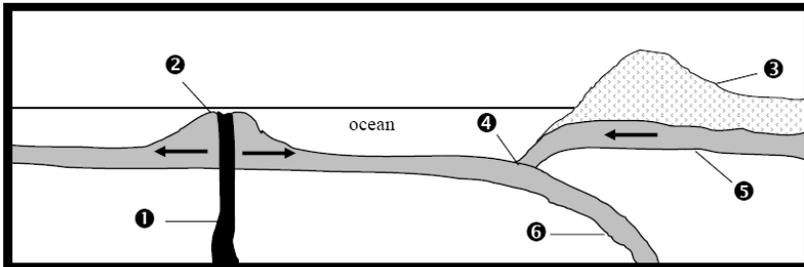
\_\_\_\_\_



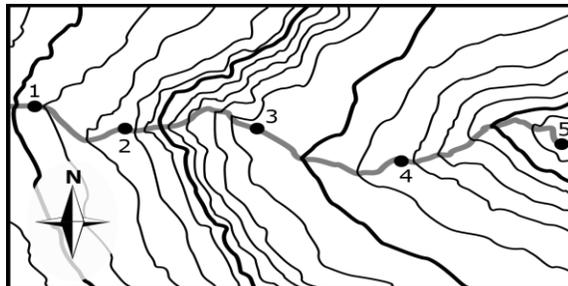
\_\_\_\_\_

\_\_\_\_\_

12. The most recently formed crust on Earth would be found where?



13. A river is running through the region represented by the topographic map shown here.



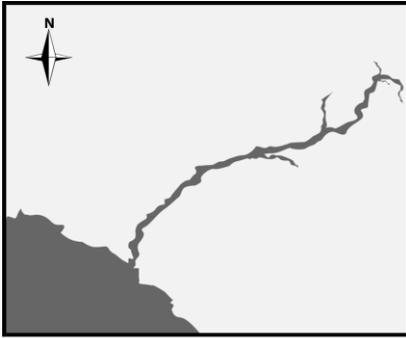
In which portion of the river will the water be flowing fastest? Explain your reasoning.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

14. A picture of a satellite image with a river flowing over land is provided. Which direction is the river flowing?



■ Water □ Land

15. The satellite photograph below shows a large meteorite crater that is 1200 m in diameter and 170 m deep. This crater is located in a flat, arid part of northeastern Arizona.



How will this crater most likely change over time? Explain your answer.

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