

The Ocean Floor Worksheet

1. Compare and contrast the geological features of the continents and the ocean floor.
2. What is the Mid-Atlantic ridge?
3. How does new ocean floor form?
4. Describe how ocean basin shrinking takes place at convergent boundaries. Give an example of this process.
5. Describe how ocean basin growing takes place at divergent boundaries. Give an example of this process.
6. What is the difference between these two processes?
7. If the Atlantic basin is growing at the Mid-Atlantic ridge, why isn't the earth growing?
8. What happens to the old ocean floor while new floor is being made?
9. Describe the geological features you would encounter if you were to walk from the Georgia coast across to the coast of Africa. Include all relevant vocabulary.
10. Where would you find the youngest rocks in the seabed? The oldest? Why?
11. How are ocean ridges and trenches related?
12. Would the most violent earthquakes be associated with spreading centers or with subduction zones? Why?