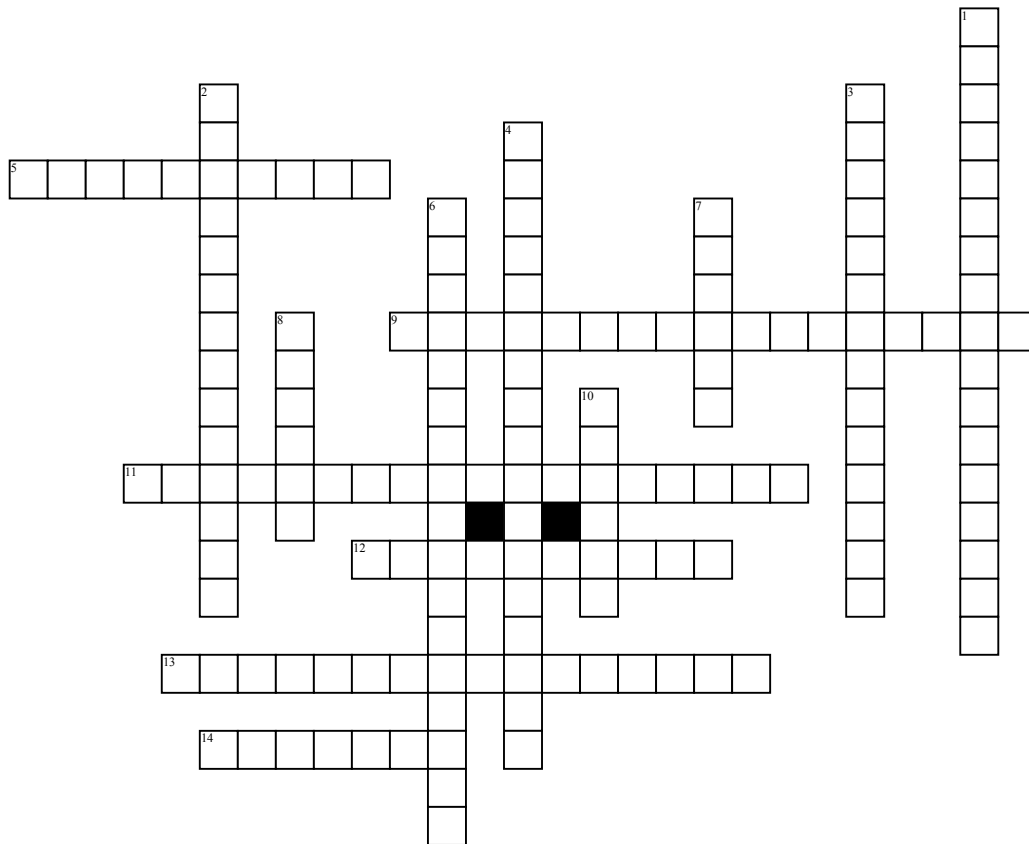


# Plate tectonics



## Across

5. Where pieces of Earth's crust diverge on land, a deep valley called a \_\_\_\_\_ forms.
9. Process where molten material adds new oceanic crust to the ocean floor.
11. When plates collide with each other.
12. Process by which ocean floor sinks beneath a deep ocean trench.

13. Wegener's hypothesis that all continents were once one landmass and have since drifted.
14. A supercontinent that existed about 300 million years ago.

## Down

1. A deep valley along the ocean floor beneath which oceanic crust slowly sinks toward the mantle.
2. The theory that the Earth's plates are constantly in motion.
3. An under sea mountain range where new ocean floor is produced.

4. When plates slide against each other.
6. When plates move apart from each other.
7. Any trace of an ancient organism that has been preserved in rock.
8. A section of the lithosphere that slowly moves over the asthenosphere, carrying pieces of oceanic and continental crust.
10. Breaks on earth's crust where rocks have slipped past each other.

## Word Bank

TRANSFORMBOUNDARY  
PLATES  
SEAFLOORSPREADING  
RIFTVALLEY  
DIVERGENTBOUNDARY

PANGAEA  
PLATETECTONICS  
CONTINENTAL DRIFT  
DEEPOCEANTRENCHES  
FAULTS

CONVERGENTBOUNDARY  
SUBDUCTION  
MIDOCEANRIDGES  
FOSSIL