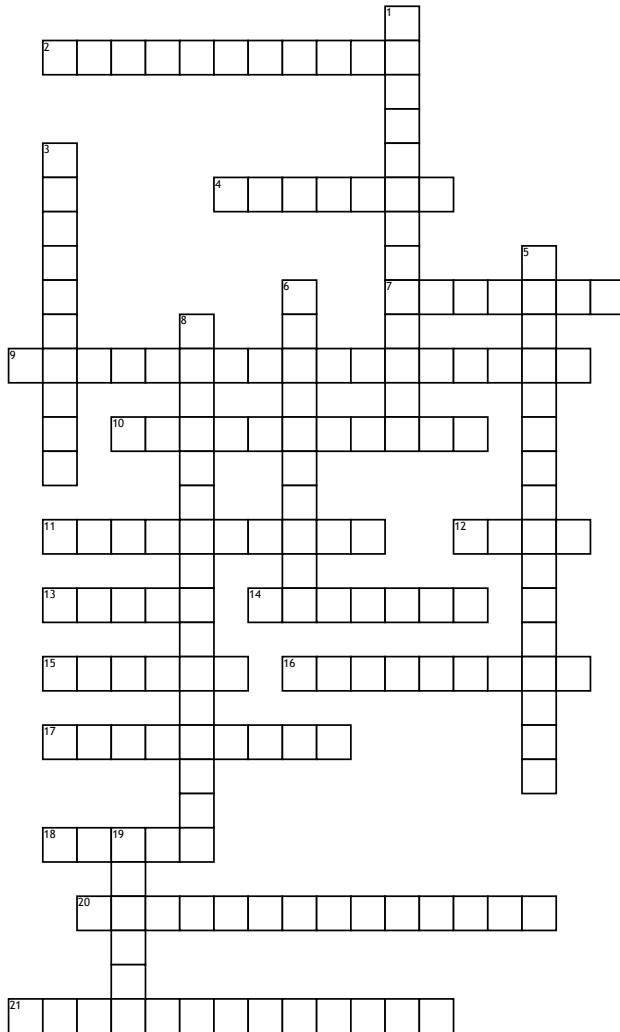


Chapter 4: Plate Tectonics



Across

2. Stress that occurs when forces act to squeeze an object
 4. The bending of rock layers due to stress
 7. In Greek it means "all earth." existed 245 million years ago when the earliest dinosaurs roamed the Earth.
 9. The process by which new oceanic lithosphere forms as magma rises toward the surface and solidifies
 10. The solid, outer layer of the Earth that consists of the crust and the rigid upper part of the mantle
 11. The boundary formed by the collision of two lithospheric plates
 12. The central part of the Earth below the mantle

13. A break in a body of rock along which one block slides relative to another
 14. Stress that occurs when forces act to stretch an object
 15. The layer of rock between the Earth's crust and core
 16. The boundary between tectonic plates that are sliding past each other horizontally
 17. The boundary between two tectonic plates that are moving away from each other
 18. The thin and solid outermost layer of the Earth above the mantle
 20. The boundary between two tectonic plates that are moving away from each other
 21. A block of lithosphere that consists of the crust and the rigid, outermost parts of the mantle

Down

1. The soft layer of the mantle on which the tectonic plates move
 3. The sinking of regions of Earth's crust to lower elevations
 5. When the magnetic poles change places
 6. The strong, lower part of the mantle between the asthenosphere and the outer core
 8. The hypothesis that states that the continents once formed a single landmass, broke up, and drifted to their present locations
 19. The rising of regions of the Earth's crust to higher elevations

Word Bank

FAULT	PANGAEA	CRUST	TRANSFORM	CONVERGENT
CONTINENTALDRIFT	DIVERGENT	COMPRESSION	TECTONICPLATE	MESOSPHERE
SUBSIDENCE	FOLDING	TENSION	MAGNETICREVERSAL	ANTHENOSPHERE
CORE	MANTELE	UPLIFT	SEAFLOORSPREADING	LITHOSPHERE
PLATETECTONICS				