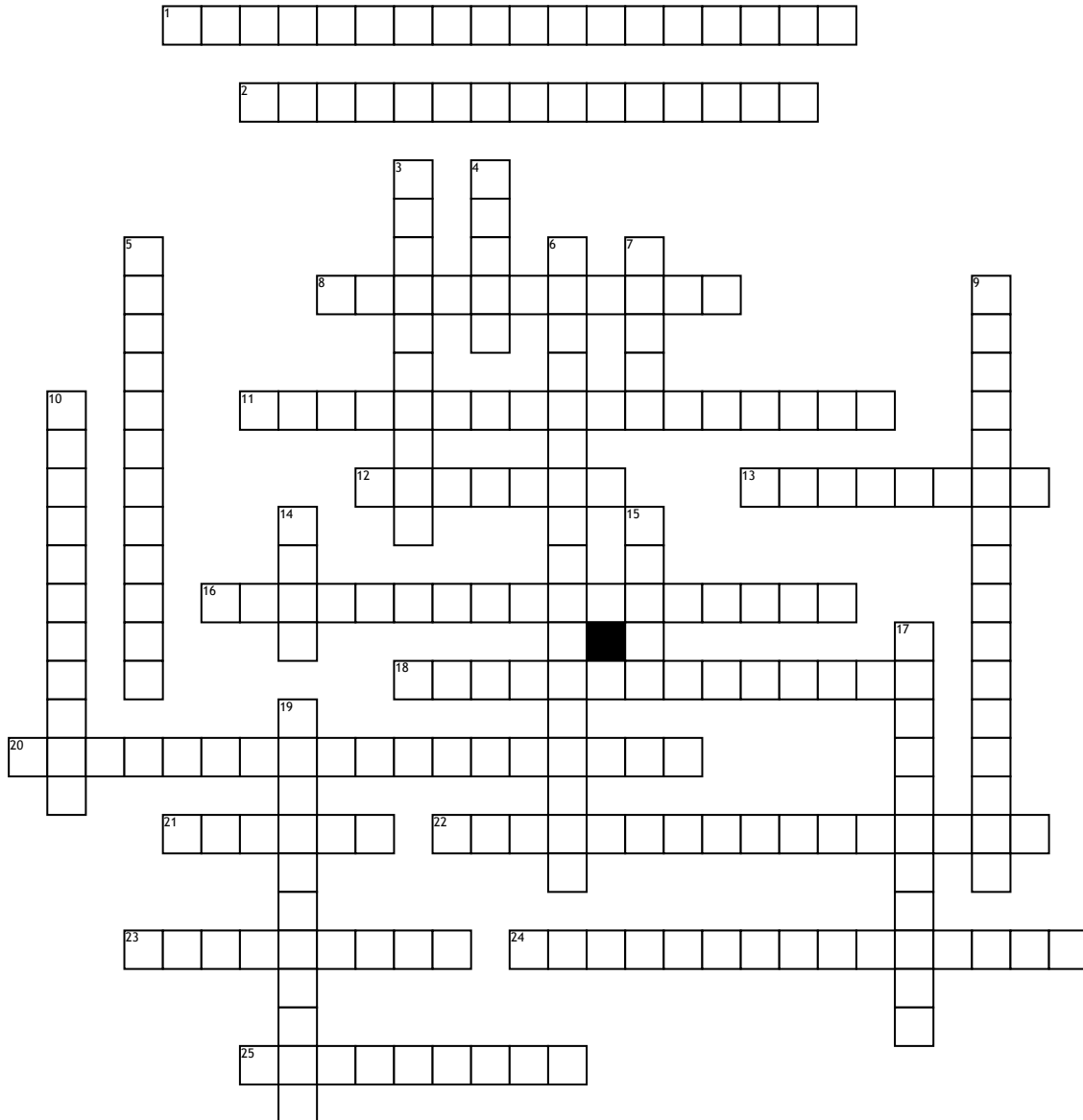


Name: _____

Date: _____

plate tectonics crossword



Across

- 1. Formed mainly by the effects of folding on layers within the upper part of the Earth's crust
- 2. Type of rock formed from liquid, molten material; from the Latin "on fire".
- 8. Rocks formed when igneous, sedimentary, or other metamorphic rocks undergo a physical and/or chemical change due to extreme heat and pressure
- 11. Occurs at mid-ocean ridges where new oceanic crust is formed through volcanic activity and then gradually moves away from the ridge
- 12. A stress that stretches and pulls a body apart.
- 13. A condition when the forces of gravity and buoyancy are balanced between the crust and the mantle
- 16. The boundary between two tectonic plates moving away from each other.
- 18. A region where one plates moves beneath another plate; associated with oceanic crust sliding under continental crust

- 20. A boundary that occurs when two tectonic plates collide.
- 21. The amount of force exerted on each unit of area
- 22. A rock formed from the cooling and solidification of MAGMA beneath the Earth's surface
- 23. The metamorphic rock texture in which mineral grains are arranged in planes or bands
- 24. A feature associated with a transform fault that may occur in the portion of a fracture zone
- 25. The series in which rock forms, changes from one type to another, is destroyed and forms again by geologic processes.

Down

- 3. Formed on a divergent plate boundary, a spreading apart of the surface, which is further deepened by the forces of erosion
- 4. Molten material beneath or within the earth's crust, from which igneous rock is formed

- 5. Formed from rising magma that pushed the overlying rock layers upward to form a dome shape, without the magma breaking through the surface
- 6. The boundary between plates sliding past each other horizontally.
- 7. A stress that distorts a body by pushing and twisting parts of the body in opposite directions.
- 9. A rock that forms from the cooling and solidification of LAVA at the Earth's surface
- 10. A type of stress that squeezes and shortens a body; associated with a convergent plate boundary and mountain building.
- 14. Molten rock that flows from a volcano or from a crack in the Earth
- 15. A break in a body of rock along which one block slides past another
- 17. Rocks formed when sediment is deposited and becomes tightly compacted
- 19. The process by sediment grains are bound together to form sedimentary rock.