

Integrated Science Semester Test Review

Define or describe the following terms and people: (These terms will be found as matching or multiple choice questions.)

Density	Perihelion
Tectonic Plate Theory	Retrograde motion
Convection	Igneous Rock
Alfred Wegener	Sedimentary Rock
Differentiation	Metamorphic Rock
Convergent Boundaries	Kepler's 1 st Law
Divergent Boundaries	Kepler's 2 nd Law
Transform Boundaries	Kepler's 3 rd Law
Mass	Absolute Brightness
Volume	Apparent Brightness
Pangaea	Light Year

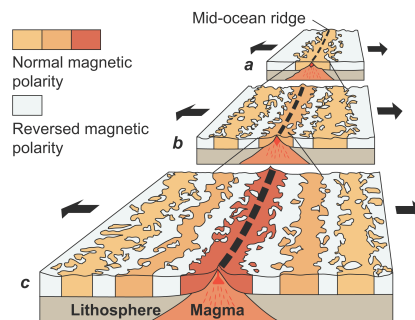
Seafloor Spreading	Eccentricity
Black Hole	Milky Way Galaxy
Supernova	Constellation
Red Giant	Evaporation
Aphelion	Transpiration
Astronomical Unit	Chemical Weathering
Fusion	Physical (Mechanical) Weathering
Ellipse	Heliocentric
Geocentric	Galaxy

Review Questions: (Other matching or multiple choice questions.)

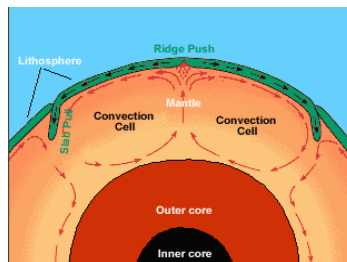
- 1) Draw a sketch of the rock cycle.
- 2) Draw a sketch of an ellipse. Label the perihelion, aphelion, semimajor axis, major axis, and foci.
- 3) Why did most scientists initially reject Alfred Wegener's idea of continental drift?
- 4) What types of evidence did Wegener have to support his idea of continental drift?
- 5) What layer of the Earth has the largest volume?
- 6) What is the cause of plate tectonics?
- 7) What happens to the speed of molecules when they evaporate? Condense?
- 8) What is the cause of metamorphism in rocks?
- 9) Name the terrestrial planets.
- 10) List 3 properties of the Sun.
- 11) What causes the Sun to release huge amounts of energy?

Possible Short-Answer Questions: (There will be 4 of these EXACT same questions on the test.)

12) List and describe the causes of chemical weathering. List and describe the causes of physical/mechanical weathering.



13) Using the figure above, explain why there are “stripes” on the sea-floor and how it provides evidence for sea-floor spreading.



14) Using the figure above, describe how a convection current/cell works and how it causes tectonic plate movement.

15) List and describe 5 properties/ideas from the independent study you completed in class.

16) Create your own half-life problem. All numbers must be reasonable. Solve your own half-life problem. (You may use problems completed in class as your guide, but you may not use the exact problem.)

17) Describe each of Kepler's Law's of Planetary Orbit (3).

18) What are the five layers of the earth and explain the density of each.