

## Project Instructions

Due Wed Jan 8 for blocks 1,3,5,7

Due Thurs Jan 9 for blocks 2,6

all projects are to be completed with black ink

## NO COMPUTER GENERATED DIAGRAMS ARE ACCEPTED

Page 1 Title layers of the earth

draw label and define the 4 layers of the earth

Page 2 Title Lithosphere, Asthenosphere and Convection in the mantle

Define what Lithosphere, Asthenosphere and Convection currents are

Draw and label an example of convection currents in the mantle, Use Lithosphere, asthenosphere, magma and use arrows to show direction of convection currents, crust, upper mantle, lower mantle and color

Page 3 : Title Continental Drift

Person: Who formulated the theory

Definition of the theory

The Evidence for the theory Listed and explained

Question when was Pangaea formed

Page 4 Title Seafloor spreading

Person: Who formulated the theory

Definition of the theory

The Evidence for the theory Listed and explained

Question How does magnetic reversal help in determining the age of the seafloor

Page 5 Title Plate Tectonics & Plate boundaries

Subtitle Divergent Plate Boundary

Explain what occurs at a divergent boundary between 2 Plates made of ocean crust.

Write out an example in the world today

Explain what occurs at a divergent boundary between 2 Plates made of continental crust.

Write out an example in the world today

Page 6 Title Divergent Plate Boundary

Draw and label what happens at 2 ocean crust plates

Your drawing should be labeled with magma, direction of crust, land, seafloor water, direction of magma, old crust and new crust where earthquakes will occur and colored

Page 7 Title Divergent Plate Boundary

Draw and label what happens at 2 continental crust plates

Your drawing should be labeled with magma, direction of crust, land, water, direction of magma, old crust and new crust where earthquakes will occur and colored

Page 8 Title Convergent Plate Boundary

Explain what occurs at a convergent boundary between 2 Plates made of ocean crust.

Write out an example in the world today

Explain what occurs at a convergent boundary between 2 Plates made of continental crust.

Write out an example in the world today

Explain what occurs at a convergent boundary between 2 Plates 1 made of continental crust and 1 made of

ocean crust.

Write out an example in the world today

Page 9 Title Convergent plate boundary

Draw and label what happens at 2 ocean crust plates

Your drawing should be labeled with magma, direction of crust, seafloor, water, direction of magma, Island arc, volcano, trench and where earthquakes will occur and colored

Page 10 Title Convergent plate boundary

Draw and label what happens at 2 continental crust plates

Your drawing should be labeled with magma, direction of crust, direction of magma, mountains, land, and where earthquakes will occur and colored

Page 11 Title Convergent plate boundary

Draw and label what happens at between 2 Plates 1 made of continental crust and 1 made of ocean crust. Your drawing should be labeled with magma, direction of crust, direction of magma, mountains, volcanoes, land, sea, seafloor trench and where earthquakes will occur and colored

Page 12 Title Transform Plate Boundary

Explain what occurs at a transform plate boundary between 2 Plates made of ocean crust.

Write out an example in the world today

Draw and label what happens between 2 Plates. Your drawing should be labeled with magma, direction of crust, direction of magma, fault line and where earthquakes occur and colored

Page 13 Title Earthquake faults

Draw label and describe the 3 types of earth quake faults reverse, normal, strike slip

Page 14 Title Volcanoes

Draw label and describe the 3 types of volcanoes Composite, cinder-cone, Shield

Page 15-17 Title: Glossary Define the following words:

mantle, earthquake, epicenter, focus, inner core, crust, lithosphere, moment magnitude, S wave, tsunami, fault, outer core, asthenosphere Continental drift, Pangaea, deep ocean trench, mid-ocean ridge, rift valley, sea floor spreading, subduction, plate, plate tectonics, divergent boundary, convergent boundary, transform boundary, continental volcanic arc, volcanic island arc, ring of fire, hot spot, volcano, caldera, cinder cone. Composite cone, shield volcano