Continental Drift and Plate Tectonics Notes

**Part 1 – Alfred Wegener and Continental Drift**

Continental Drift is…

*PANGAEA*

*THE BREAKUP OF PANGAEA*

Alfred’s Evidences

1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HYPOTHESIS

THEORY

**Part 2 – Alfred’s Rejection**

Why was Alfred rejected in his own time?

**Part 3 – Harry Hess and Modern Evidence**

SONAR

MID-OCEAN RIDGES

Revealed

HARRY HESS

SEAFLOOR SPREADING

Discovered

EVIDENCE OF SEAFLOOR SPREADING

THE AGE OF OCEAN ROCKS

MAGNETIC STRIPING

SEAFLOOR SPREADING DIAGRAM

**Part 4 – The Driving Forces of Plate Movement**

3.

2.

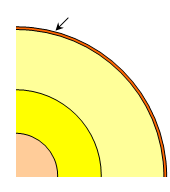
1.

Driving Forces in Action

Convection Diagram

**Part 5 – Plate Tectonics**

Plate Tectonics –



Lithosphere –

Asthenosphere –

Ocean Crust

Continental Crust

vs.

**Part 6 - Plate Boundaries**

|  |  |  |  |
| --- | --- | --- | --- |
| Type of Boundary | Definition | What it creates | Picture |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Most of the world’s volcanoes and earthquakes…

A hotspot is…