

Tectonic Plates Chart

1. Label the following :

oceanic / continental

(convergent
divergent
transform)

Plates	Type of Crust	Boundary Type
Eurasian and Pacific	Continent - ocean	Convergent
Pacific and North American	Continent - continent	complex / uncertain
Scotia and Antarctic	ocean - continent	Transform
South American and African	Continent - continent	Divergent
Nazca and South American	ocean - continent	convergent
Cocos and Caribbean	ocean - ocean (or continent)	convergent
Eurasian and Indian/Aust.	cont - cont (Himalaya mtns)	convergent
Antarctic and Indian/Aust.	ocean - ocean	Divergent
African and Arabian	cont. - cont	Divergent
Pacific and Antarctic	ocean - ocean	Divergent

- What type of crust (oceanic or ^{continental}basaltic) would be the overriding plate? continental
- What type of crust (oceanic or ^{continental}basaltic) would be the subducting plate? oceanic
- How many hot spots are on the map? 9
- What is the latitude and longitude of the galapagos hotspot? 0°, 100° West
- What type of plate boundary is the East African Rift? complex / DIVERGENT
- What type of plate boundary is the San Andreas Fault? Transform
- What type of plate boundary is the Aleutian Trench? convergent
- What type of plate boundary is the Mid Atlantic Ridge? Divergent
- What type of boundary is a trench found at? convergent
- What type of boundary is a ridge found at? Divergent
- What mountain range is located at northern part of India? Himalaya's
- What is happening to the size of Iceland? Larger / wider
- What process forces one plate to slide under the other? convergence ~~at~~
SUBDUCTION

Plate Tectonics

- What is the Theory of Continental Drift? What evidence supports this theory?

The Theory	The Evidence

- What is the Theory of Plate Tectonics? What evidence supports this theory?

The Theory	The Evidence

- How do oceanic and continental crust compare with regard to thickness and density?

	continental	oceanic
density		
thickness		

- What are the primary rocks which make up the continental and oceanic crusts?

continental crust	oceanic crust
Low-density, light-colored, coarse-grained, felsic, igneous rock	High density, dark-colored, fine-grained, mafic, igneous rock