**Volcanoes**

* A piece of land which contains/erupts molten rock

**3 types of Volcanoes**

**Shield**

* Big - Sloping - Least violent
* Ex. Mauna Loa

**Cinder Cone**

* Small - Steep - Violent
* Ex. Izalco

**Strato/Composite**

* Big - Steep - Most Violent
* Ex. Mt St Helens, Krakatoa, Mt Vesuvius

**What causes the violence?**

Water + Silica build up large amounts of gas

**Types of Volcanic Material**

* Tephra – exploded rock/ash
* Lahar – volcanic mud
* Pyroclastic Flow – “flowing plastic fire;” all mixed volcanic material

**Crater vs Caldera**

Crater – hole at top of volcano

Caldera

* Crater at least 50km across
* “flat volcano”
* Ex. Yellowstone

**Statuses of Volcanoes**

* Active – alive and erupting
* Dormant – has not erupted in a while, but still can
* Extinct – dead, can no longer erupt

**Locations of Volcanoes**

* Divergent – 80%
* Convergent – 15%
* Hot Spot – 5%
  + A hole in the crust that molten rock can push through
  + Creates volcanic chains as plates shift