

# Geog.121 Cheat Sheet by Papergil (PAPERGIL) via cheatography.com/19582/cs/2583/

### **GEOGRAPHIC TRADITIONS**

SPATIAL

REGIONAL

MAN-LAND

**PHYSICAL** 

# **GEOGRAPHIC THEMES**

# LOCATION

absolute / relative

PLACE

surface features

climate

landforms/landscapes

**HUMAN-ENVIRONMENT** 

**INTERACTION** 

adaptation

modification

dependencies

MOVEMENT

IVIOVEIVIEI

dispersal convergence

mobility of "capital"

linkages

REGION

scale

areas of commoness

### **MORPHOLOGY: FORM VARIABLES**

### Constitution

Internal properties of form
Physical and chemical properties

### Configuration

Size and form

Assemblage of forms

#### Mass Flow

Rates involved in movement

### **MORPHOLOGY: DYNAMIC VARIABLES**

Energies of process that change over time e.g. water/wind velocities

# **Types of Systems**

### **ISOLATED**

absolute / perpetual sytems 0 energy in, 0 energy out

## CLOSED

Limiting boundaries

Allows passage of energy

### **OPEN**

Open boundaries

Allows passage of energy and matter

# Types of Systems (cont)

# **OPEN-Dissipative**

Systems with irreversible processes resulting in the dissipation of energy Directional processes in short-term stages

Cyclic systems in long-term stages

# \*All Geomorphic Systems are Open Systems

They all involve exchanges of matter and energy with other surrounding systems

# GEOMORPHIC SYSTEMS: DRIVING ENERGIES

### **Endogenic**

forces of creation

processes originating from within the earth

### Exogenic

forces of creation

proesses originating from the surface of the earth and the atmosphere

#### Extraterrestrial

cataclysmic processes and black swan events

# VOLCANISM: Areas of Formation

VULCANIC/Ext rusive formed outside of the earth, extruded from volcanoes fine grained, glassy relatively less dense exposed to atmoshpheric activity PLUTONIC/intr usive formed within the earth, forms intruded upon existing material coarse grained has a high density

# VOLCANIC LANDFORMS: Extrusive

# Volcanoes

Shield

Composite

Lava Domes

Cinder Cones

Calderas and

Lake

Volcanoes

Geysers, Fumaroles,

# Hotsprings

Geysers spout

pressurized steam from

underground

water

Fumaroles

spout gas



By **Papergil** (PAPERGIL) cheatography.com/papergil/

Not published yet. Last updated 27th September, 2014. Page 1 of 2. Sponsored by **Readability-Score.com**Measure your website readability!
https://readability-score.com



# Geog.121 Cheat Sheet by Papergil (PAPERGIL) via cheatography.com/19582/cs/2583/

# **VOLCANIC LANDFORMS: Extrusive (cont)**

Hot springs are sources of heated water which passed through hot rock

Plateau/Flood Basalts

Island Arcs

# **VOLCANIC LANDFORMS: Plutonic**

# BATHOLITH / STOCK

large masses of plutonic rocks (100sgkm min.) **Laccoliths** 

horizontal mushroom shape magma deposits along pre existing rock strata

### **Volcanic Necks**

remnants of eroded volcanic pipes

#### Sills

horizontal magma sheets cutting along existing rock layers

# Dikes

vertical pipes of magma cutting across rocks, also sheeted dikes

Veins

# **VOLCANIC ACTIVY**

### **ACTIVE**

has erupted since the last ice age (since ~10,000 years ago)

### **DORMANT**

hasn't erupted in the past 10,000 years, but which is expected to erupt again

### **EXTINCT**

No expected activity

# **SEDIMENT / ROCK TYPES**

### Clastic / Detrital

mostly from regolith deposition

### Chemical

chemical precipitates created when the carrying capacity is exceeded

### **Biogenic**

biological deposits such as forams and plant detritus



By **Papergil** (PAPERGIL) cheatography.com/papergil/

Not published yet. Last updated 27th September, 2014. Page 2 of 2. Sponsored by **Readability-Score.com**Measure your website readability!
https://readability-score.com