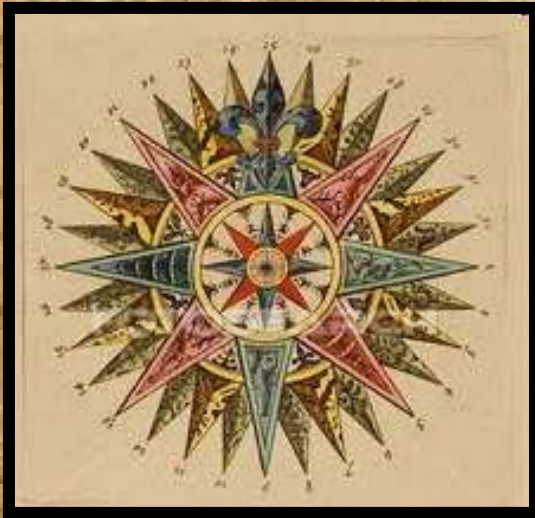




Wayne E. Sirmon
GEO 301
World Regional Geography

Geography 301

World Regional Geography

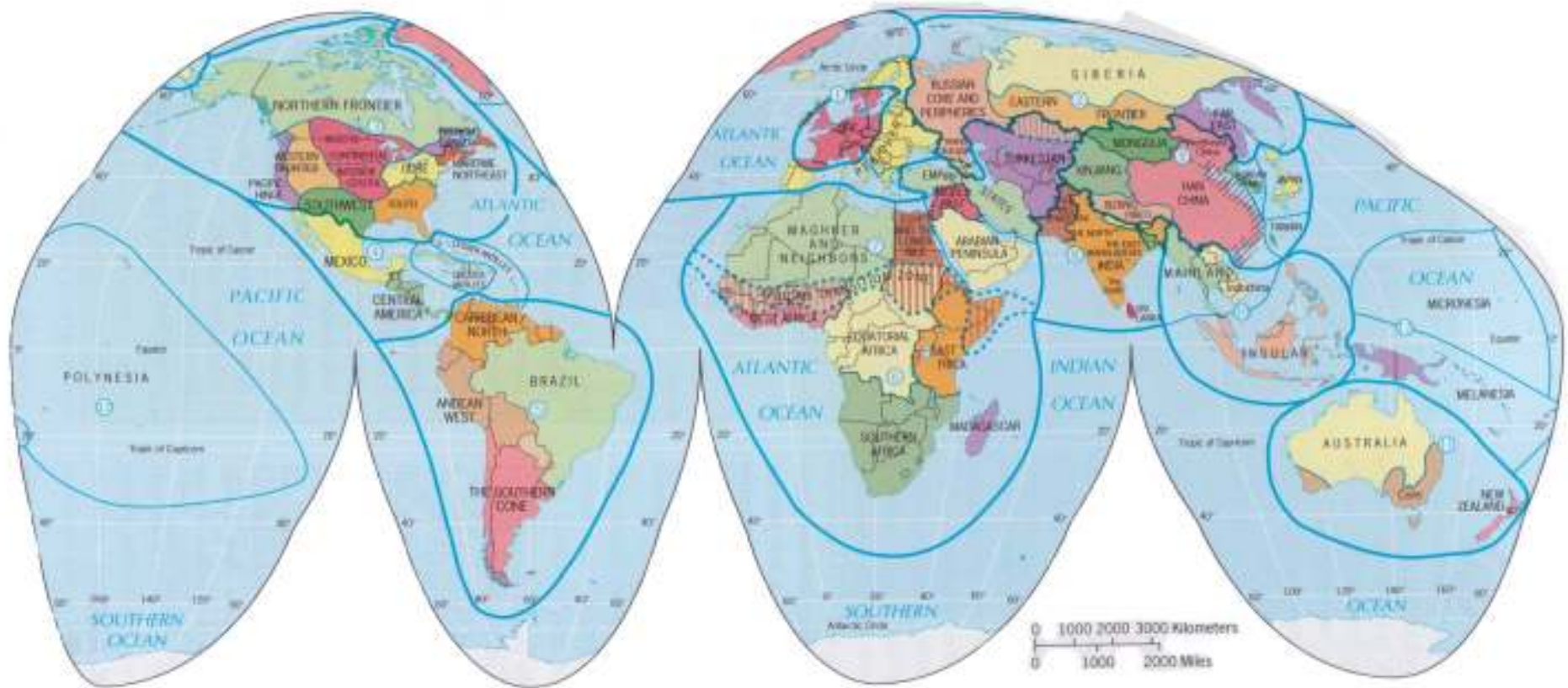


MAP: A graphic representation of a portion of the earth's surface down to scale, as seen from above.



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**WORLD GEOGRAPHIC REALMS
AND THEIR CONSTITUENT
REGIONS**

- | | | | |
|-----------------|---------------------|-----------------------------------|------------------|
| ① EUROPE | ④ MIDDLE AMERICA | ⑦ NORTH AFRICA/
SOUTHWEST ASIA | ⑩ SOUTHEAST ASIA |
| ② RUSSIA | ⑤ SOUTH AMERICA | ⑧ SOUTH ASIA | ⑪ AUSTRAL REALM |
| ③ NORTH AMERICA | ⑥ SUBSAHARAN AFRICA | ⑨ EAST ASIA | ⑫ PACIFIC REALM |

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First Paper: Themes and Regions

North America

Middle and South America

Europe

Russia and the Post Soviet States

Population

Gender

Development

Food

Urbanization

Globalization

Democratization

Water

Climate Change

**24 students, each with a unique
Theme-Region combination**

**Max 7 students per region
(4 x 7 = 28 combinations)**

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Physical Geography Perspectives

Landforms: The Sculpting of the Earth

Plate Tectonics

Landscape Processes (Weathering)

Climate

Temperature and Air Pressure

Precipitation

Climate Regions (Koppen classification system)

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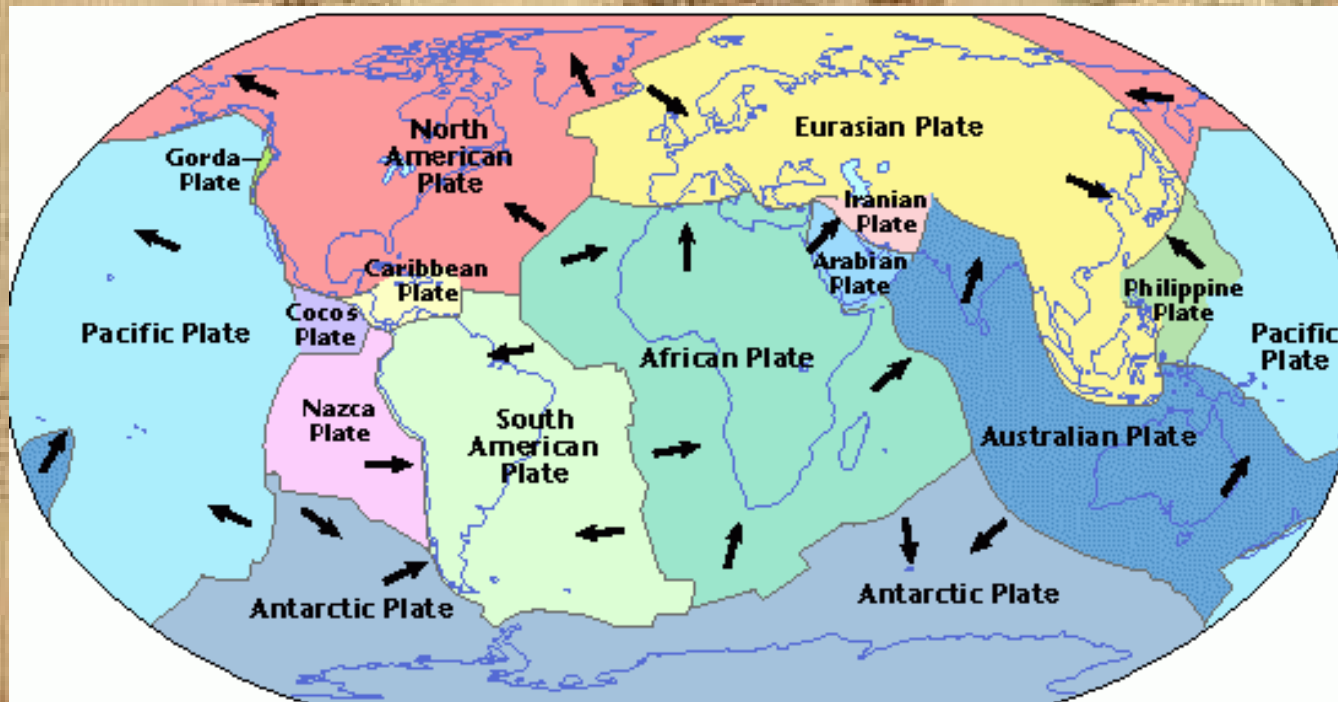
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Physical Geography Perspectives

Landforms: The Sculpting of the Earth

Plate Tectonics (Transforming, Divergent, Convergent)

Landscape Processes (Weathering)



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World Regional Geography

Physical Geography Perspectives

Climate

Temperature and Air Pressure

Precipitation

Climate Regions (Koppen classification system)

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Köppen climate classification

First developed by Wladimir Köppen in 1884

Updated several times by Köppen and Rudolf Geiger

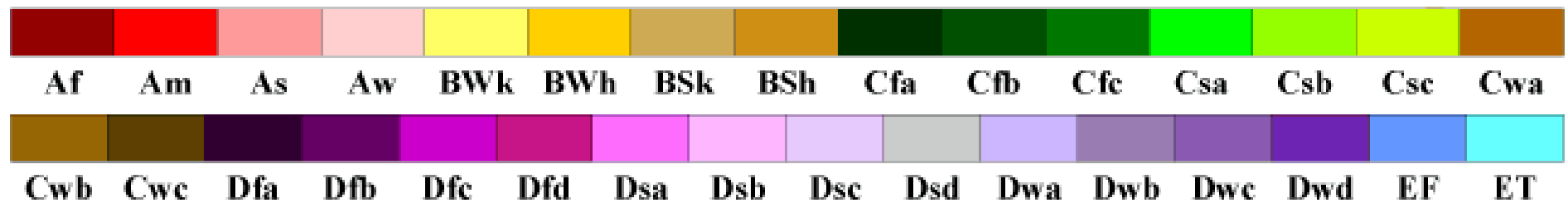
The system is based on the concept that native vegetation is the best expression of climate. It combines average annual and monthly temperatures and precipitation, and the seasonality of precipitation.

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World Regional Geography

World Map of Köppen–Geiger Climate Classification

updated with CRU TS 2.1 temperature and VASClmO v1.1 precipitation data 1951 to 2000



Main climates

A: equatorial
B: arid
C: warm temperate
D: snow
E: polar

Precipitation

W: desert
S: steppe
f: fully humid
s: summer dry
w: winter dry
m: monsoonal

Temperature

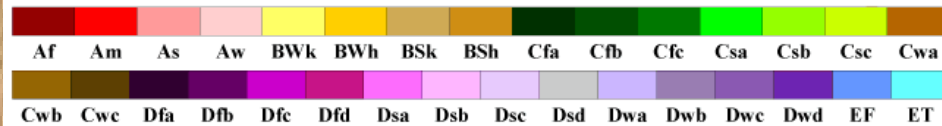
h: hot arid
k: cold arid
a: hot summer
b: warm summer
c: cool summer
d: extremely continental
F: polar frost
T: polar tundra

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World Map of Köppen–Geiger Climate Classification

updated with CRU TS 2.1 temperature and VASClmO v1.1 precipitation data 1951 to 2000



Main climates

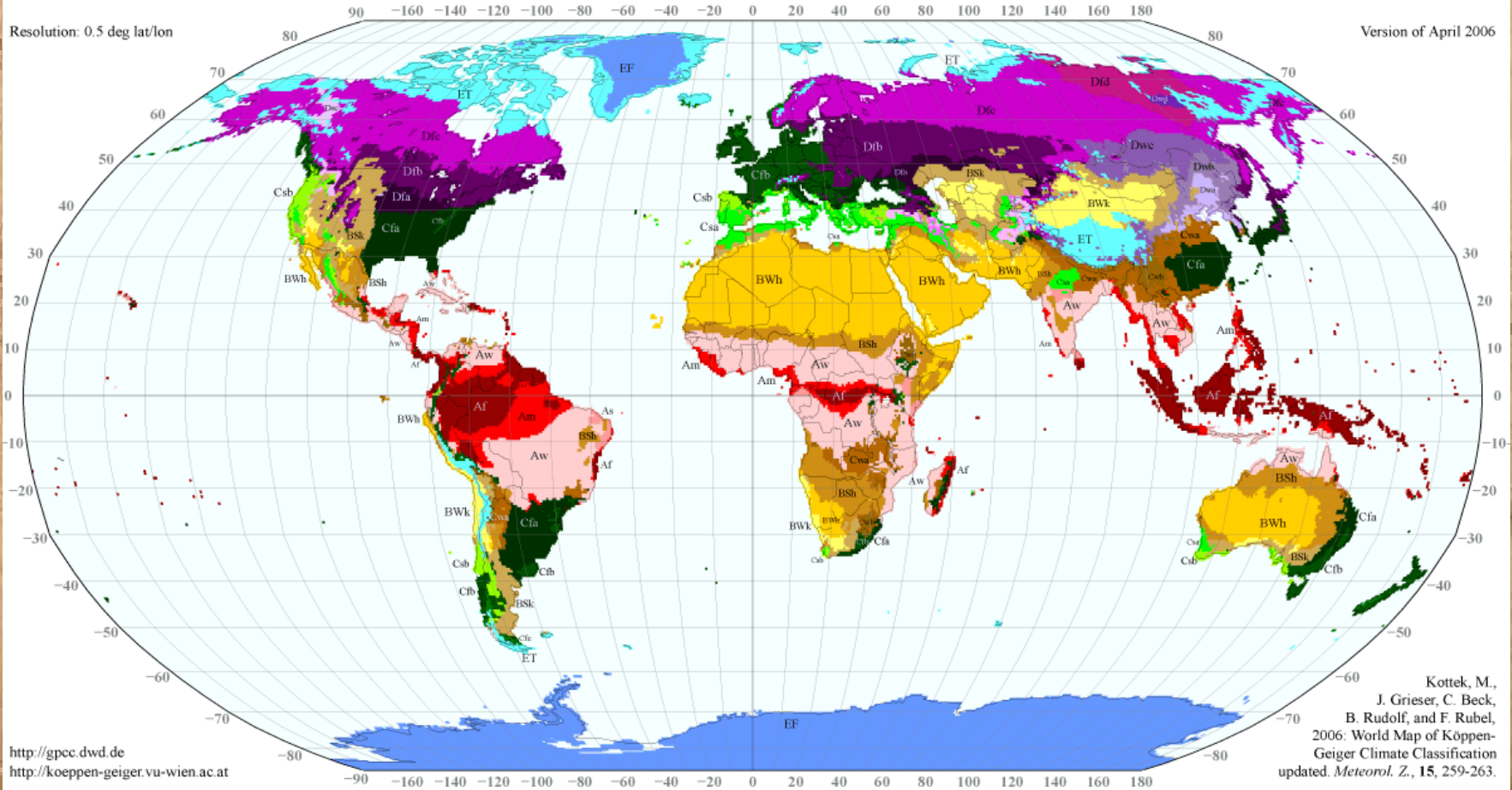
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<http://gpcc.dwd.de>
<http://koeppen-geiger.vu-wien.ac.at>

Kottek, M.,
 J. Grieser, C. Beck,
 B. Rudolf, and F. Rubel,
 2006: World Map of Köppen-
 Geiger Climate Classification
 updated. *Meteorol. Z.*, 15, 259-263.



Map Training Class



LTCOL Cassady

Identify Topographic Symbols

Six Basic Colors:

Black: Cultural (Man-Made) Features Other Than Roads

Blue: Duh

Brown: All Relief Features- Contour lines on Old Maps- Cultivated Land on Red-Light Readable Maps

Green: Vegetation

Red: Major Roads, Built Up Areas, Special Features on Old Maps

Red Brown: All Relief Features and Main

Terrain Features

Five Major:

Hill, Valley, Ridge, Saddle, Depression

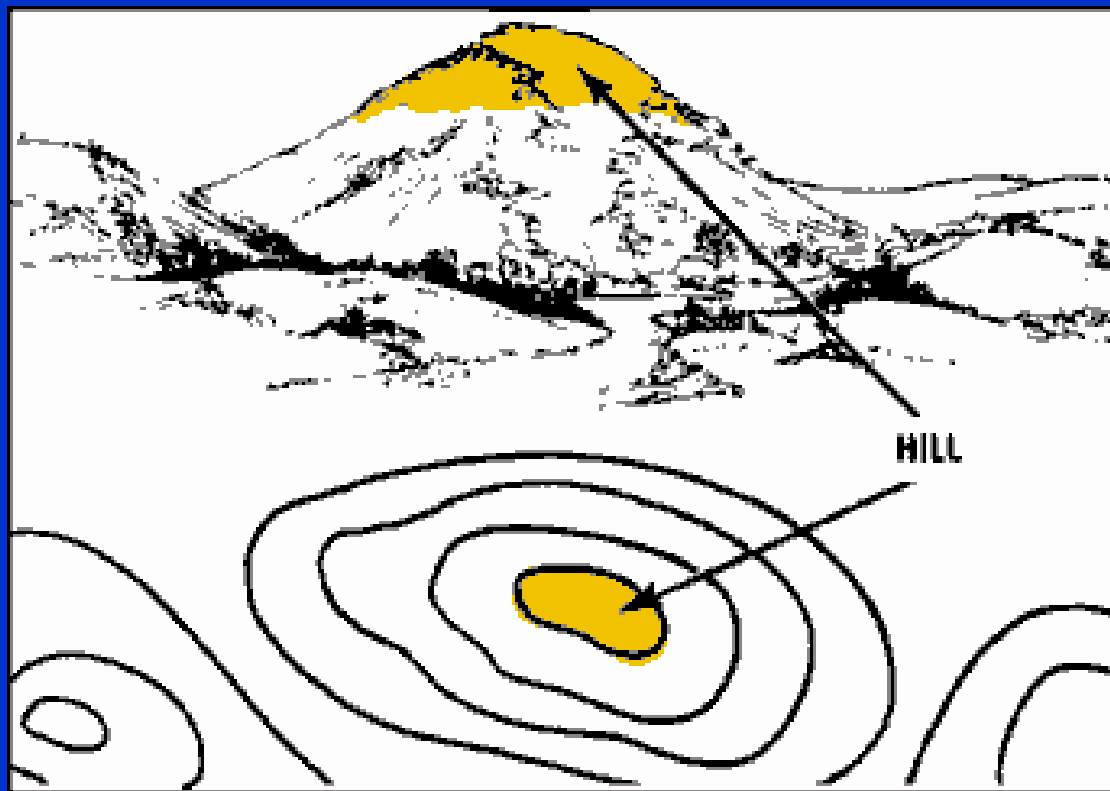
Three Minor:

Draw, Spur, Cliff

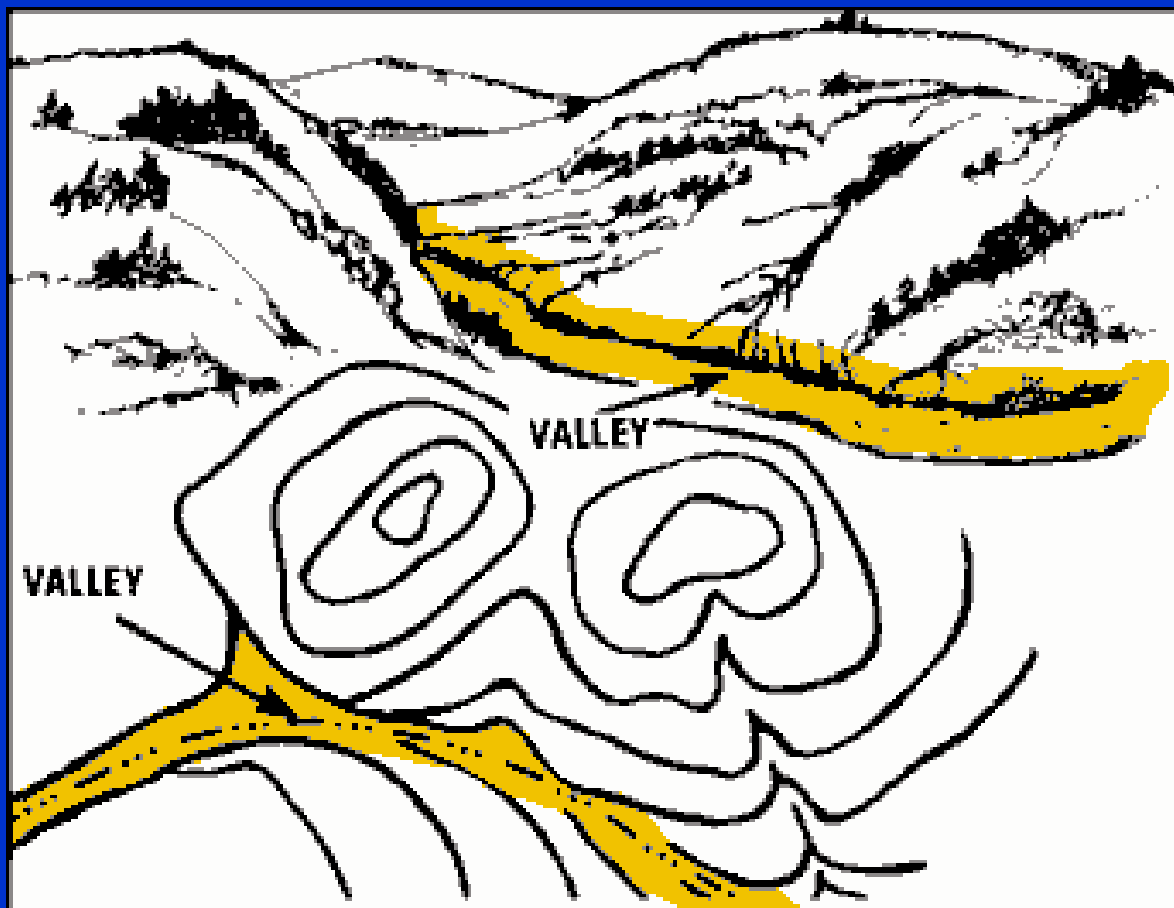
Two Supplemental:

Cut, Fill

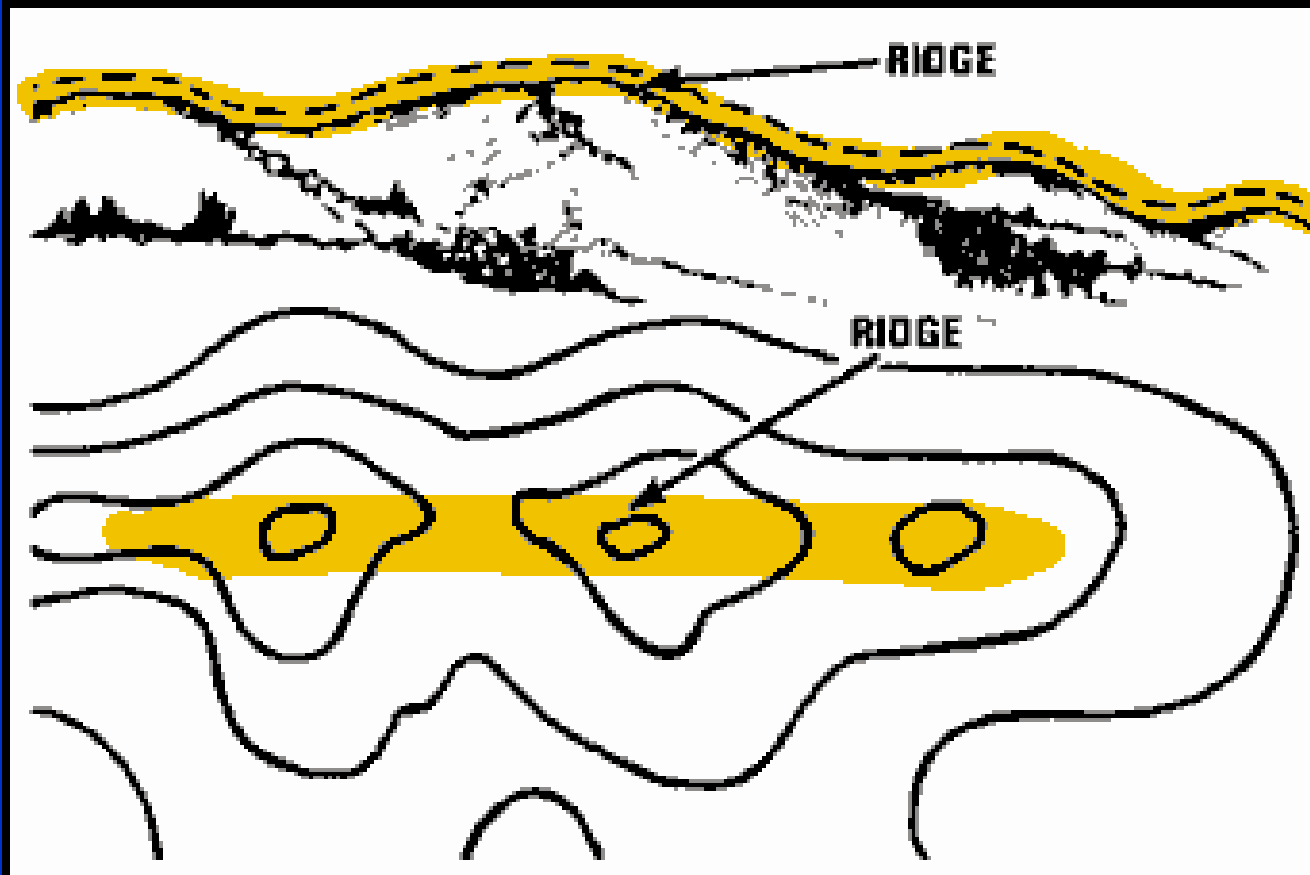
Hill



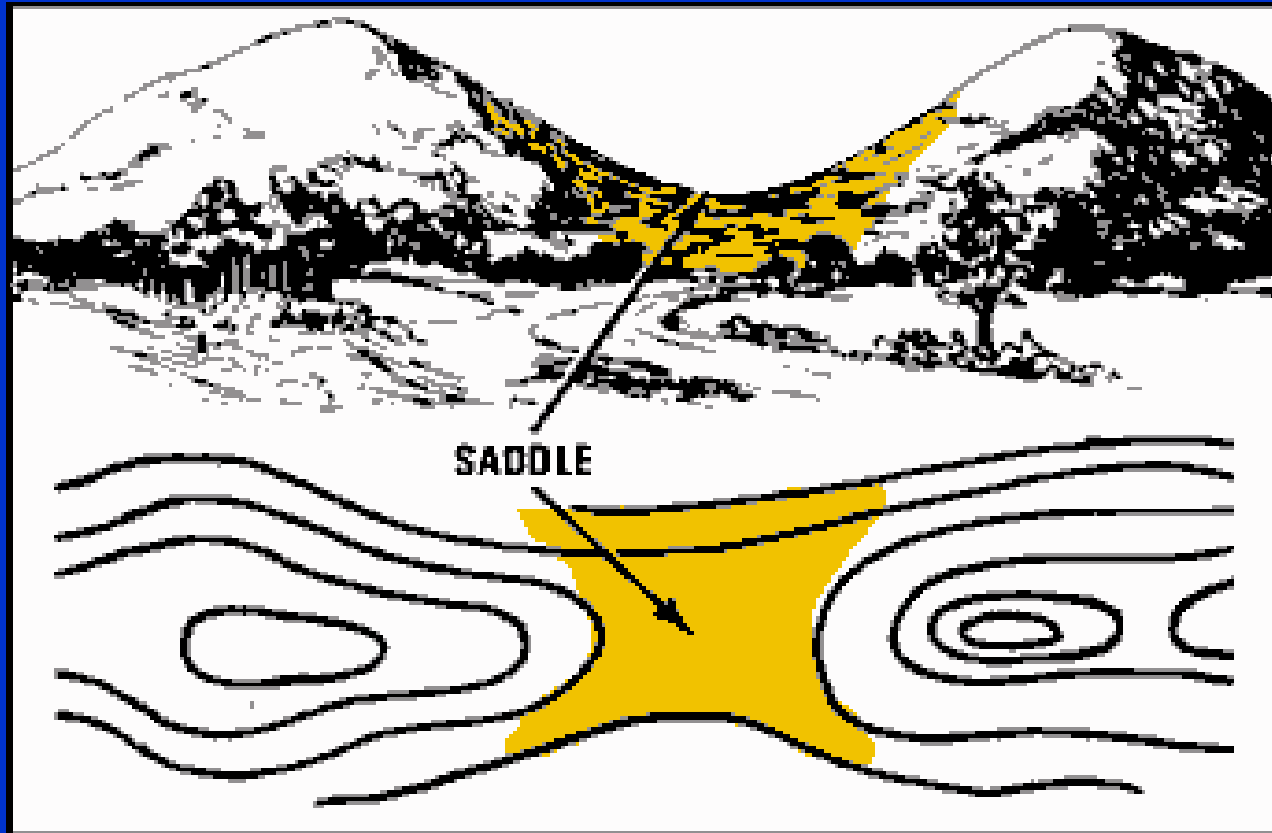
Valley



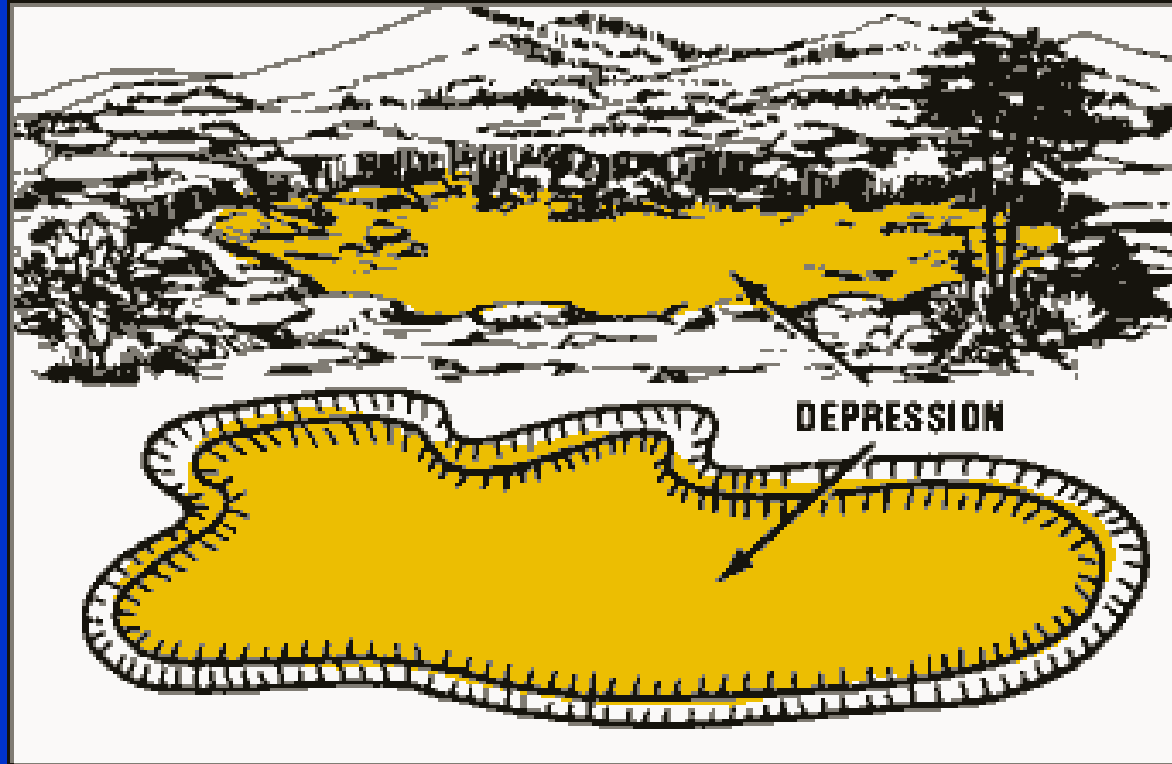
Ridge



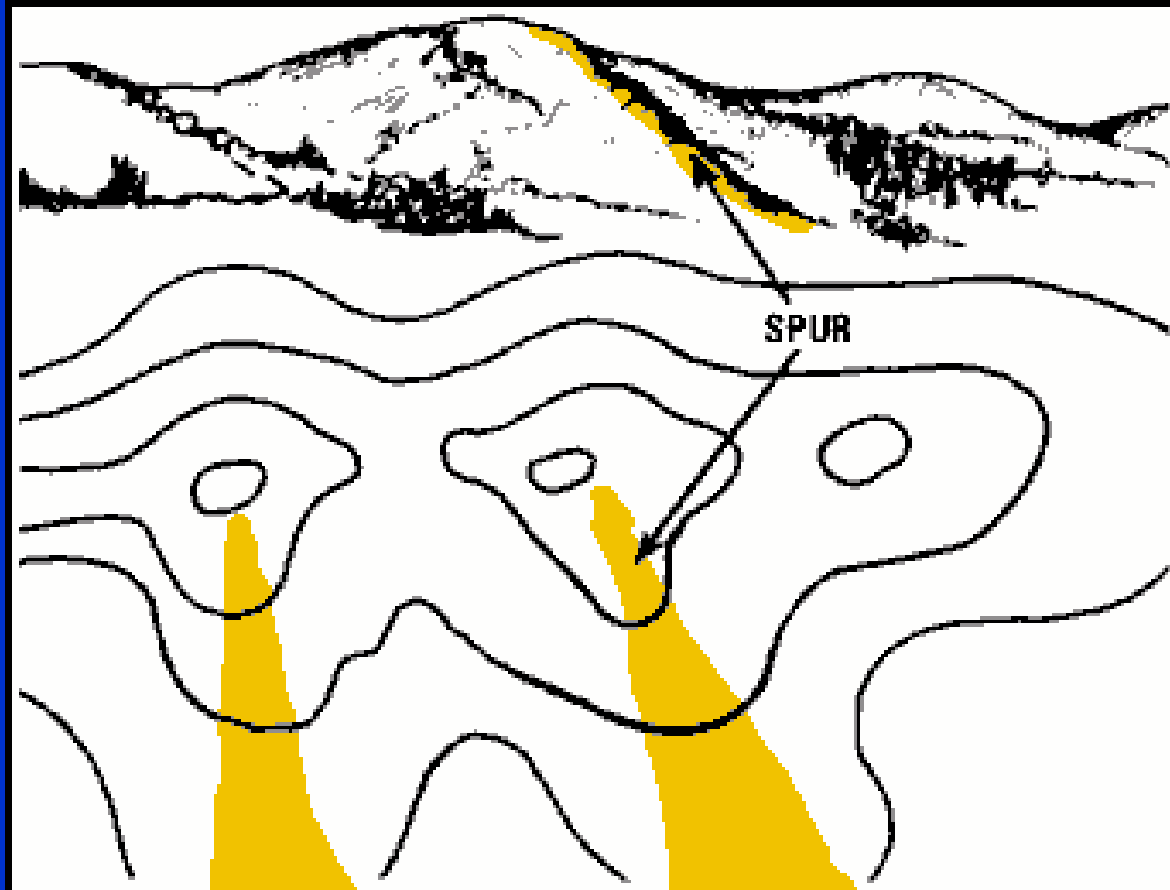
Saddle



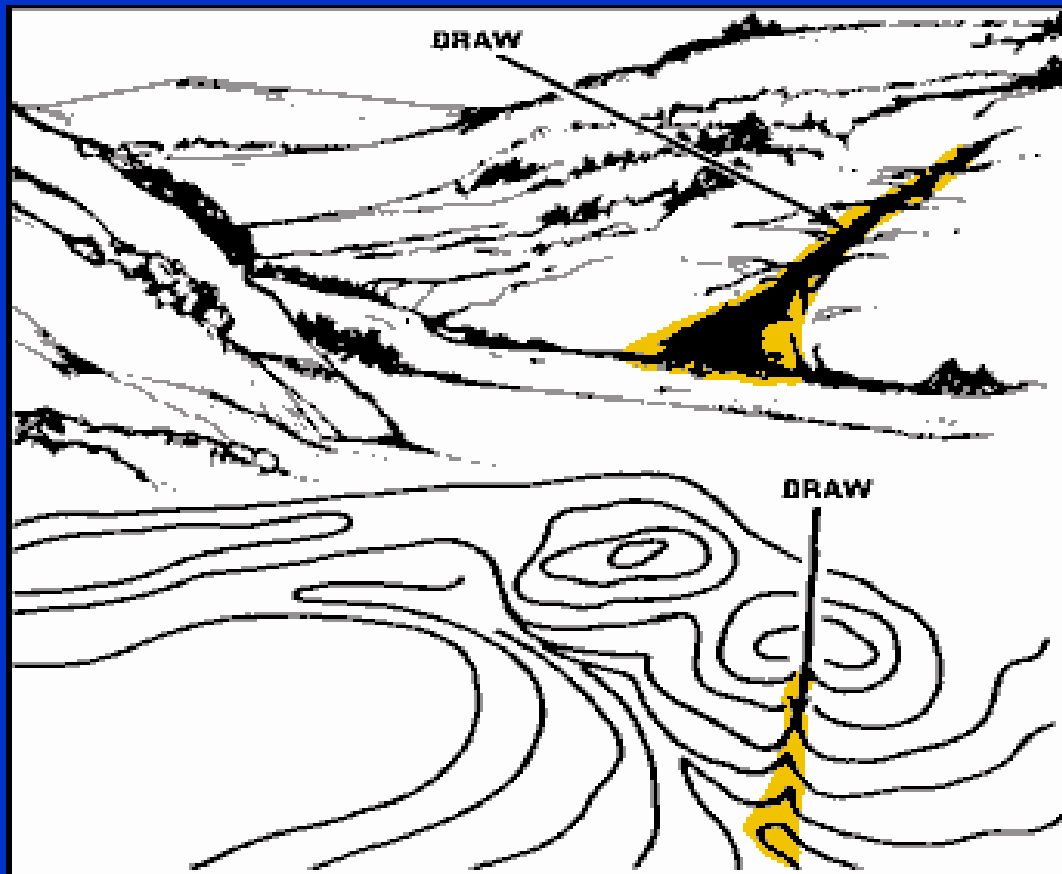
Depression



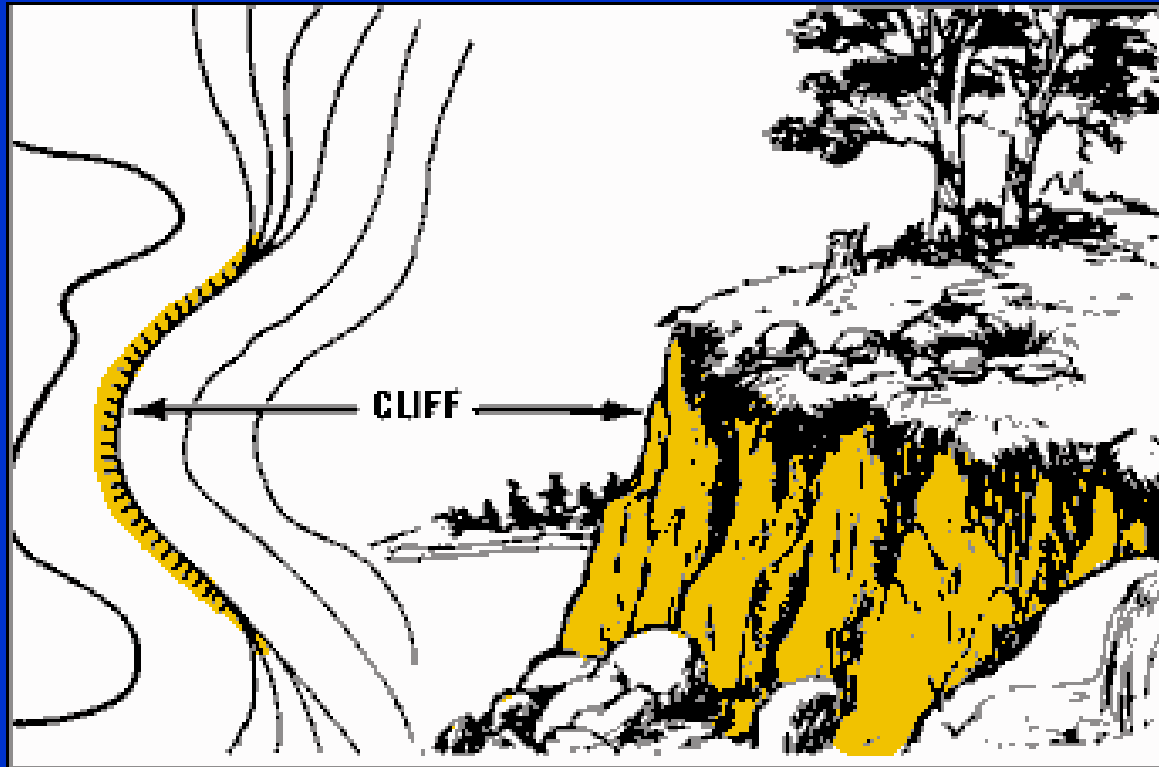
Spur



Draw



Cliff



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Next: Thematic Concepts

