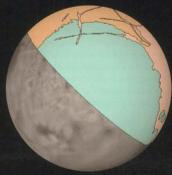
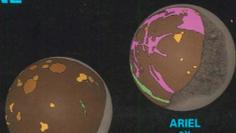


PLUTO



TRITON
2X

NEPTUNE



UMBRIEL
3X



ARIEL
3X



MIRANDA
3X

URANUS



TETHYS
3X



ENCELADUS
3X

SATURN

KEY TO THE OUTER SATELLITES

[Relative ages of units are specific to each body]

WATER ICE UNITS

Light
■ Young, clean, lightly cratered
■ Older, often moderately cratered
■ Oldest, often heavily cratered

Dark
■ Young, dirty, may be lightly cratered
■ Older, dirtier, often moderately cratered
■ Oldest, dirtiest, heavily cratered

ICE UNITS OF TRITON AND PLUTO

■ Bright, mostly nitrogen ice
■ Cantaloupe-texture terrain of Triton
■ Hummocky and highland terrains
■ Dirty nitrogen ice with methane

VOLCANIC UNITS

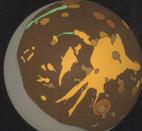
■ Vents on Io
■ Intervent and layered plains on Io
■ Plains-forming flows on Io
■ Volcanic constructs on Io
■ Ice flows of Ariel and Enceladus

OTHER UNITS

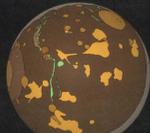
■ Canyon unit
■ Mottled terrain of Europa
■ Mountain-forming unit of Io
■ Coronae of Miranda

IMPACT UNITS

■ Youngest crater units
■ Intermediate age crater units
■ Oldest crater units
■ Low relief impact unit (palimpsest)



OBERON
3X



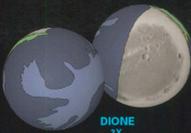
TITANIA
3X



TITAN



RHEA
3X



DIONE
3X



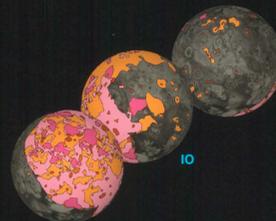
CALLISTO



GANYMEDE



EUROPA



IO

GEOLOGY OF THE SOLAR SYSTEM

1997

(SEE REVERSE SIDE FOR ADDITIONAL INFORMATION)

KEY TO THE TERRESTRIAL PLANETS

[Areas with the same color on different bodies are not necessarily the same age]

IMPACT UNITS

■ Youngest crater units
■ Intermediate age crater units
■ Oldest crater units
■ Youngest basin materials
■ Oldest basin materials

SEDIMENTARY UNITS

■ Water ice on Earth, water and CO₂ ice on Mars
■ Windblown and layered polar units of Mars
■ Landslide and glacial deposits of Mars
■ Channel and flood plain deposits
■ Canyon deposits and chaotic terrain

SEDIMENTARY AND/OR METAMORPHIC UNITS

■ Younger, mixed
■ Intermediate age, mixed
■ Older mixed on Earth, Compressional belts on Venus
■ Oldest, altered, intermixed with igneous rocks
■ Undivided metamorphic, sedimentary and igneous

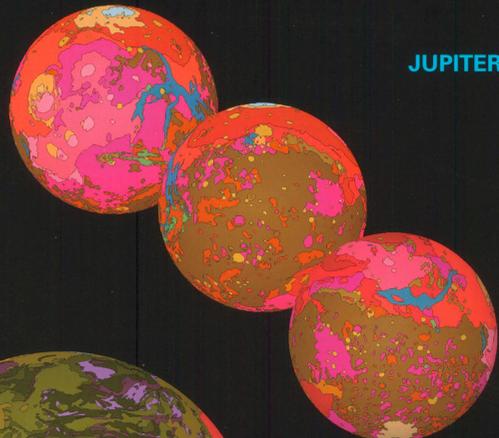
HIGHLAND VOLCANIC OR IGNEOUS UNITS

■ Youngest
■ Intermediate age
■ Oldest
■ Old, interbedded with eolian units (Mars)
■ All ages, undivided

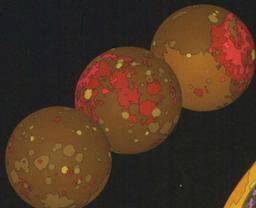
LOWLAND VOLCANIC UNITS

■ Youngest
■ Intermediate age
■ Oldest

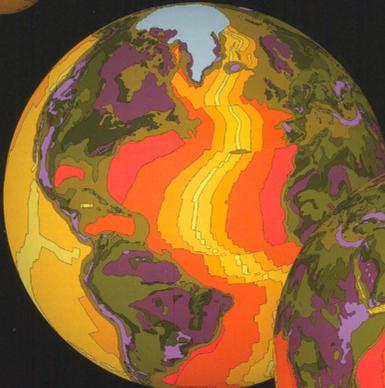
JUPITER



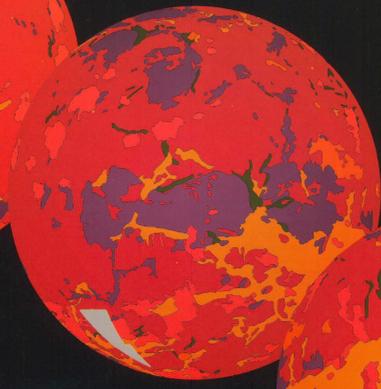
MARS



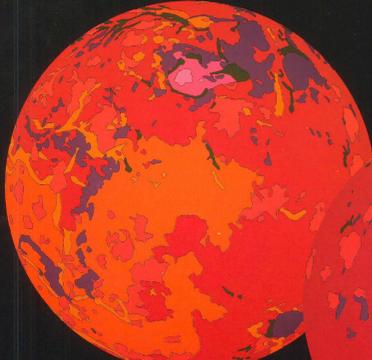
MOON



EARTH



VENUS



MERCURY



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