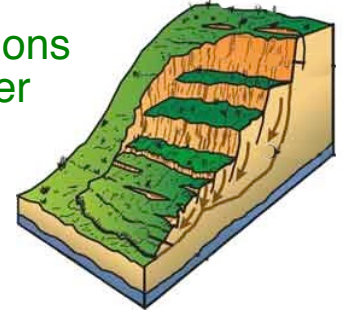


The fun mysteries and important practicalities of geology and the geosciences

What has caused a landscape to have the steep slopes and hilltops that it has . . .

. . . and what are its implications for landslides that might cover your roads or homes?



How did the petroleum in a known oil field get trapped in its present position



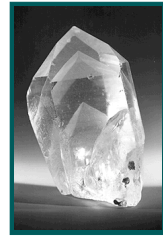
. . . . and might there be petroleum in similar settings nearby that has not yet been found?

What caused the extinction of a large number of ancient fossil species in one short time, long ago

. . . . and could an event like that happen again, in our time, and affect our species?



How did groundwater bring solutes to an ordinary limestone and turn it into an ore deposit of mineral crystals. . . .



. . . . and can an understanding of that ore-forming process lead to discovery of new ore deposits?



What is the path of a fault across a region, and how has rock shifted along it

. . . . and what does that mean for the possibility of earthquakes today?

What geologic features or history cause arsenic to be abundant in the groundwater of a particular region

. . . . and what are the implications for health of people who use that water?

What causes the soil of a particular area to be exceptionally fertile . . . and where might geological conditions cause the same sort of soil?

