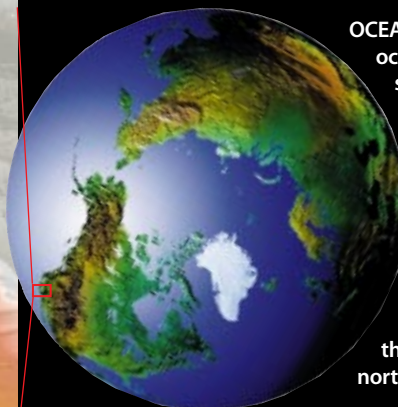
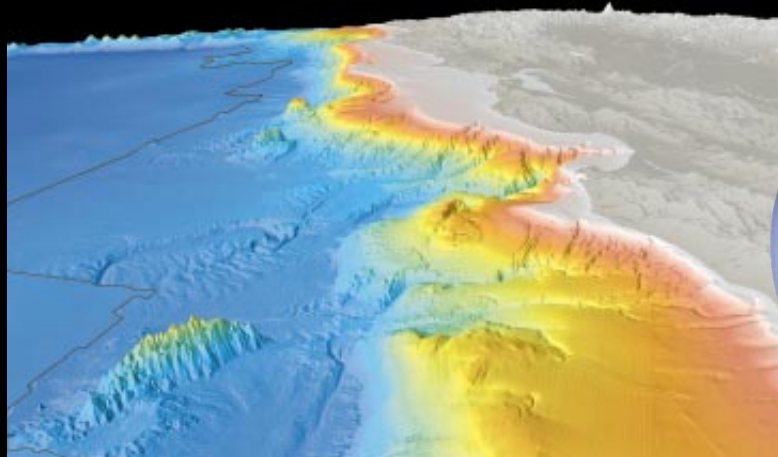


Earth



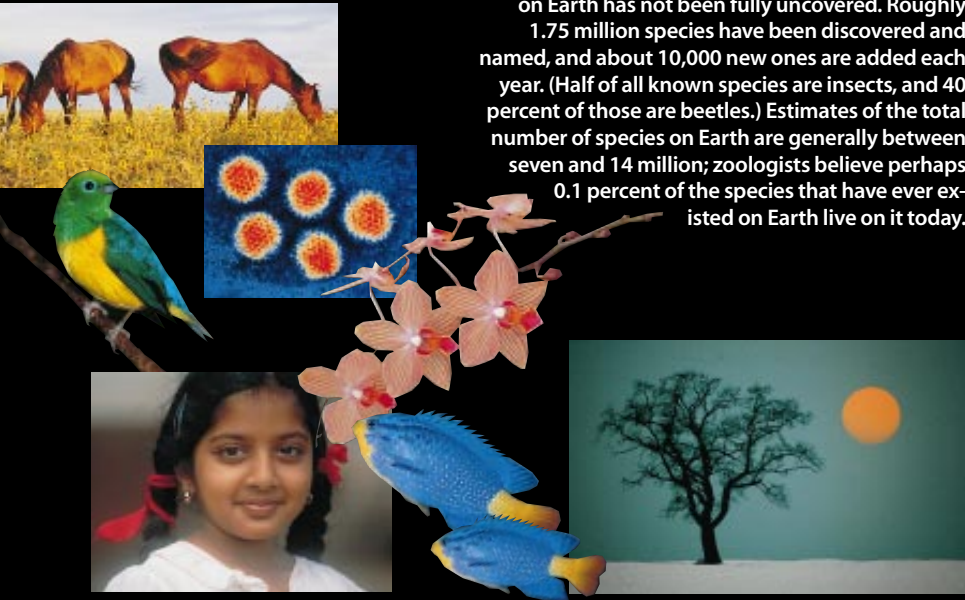
ASTROGEOLOGY TEAM, U.S. GEOLOGICAL SURVEY, FLAGSTAFF, ARIZ. (top); LINCOLN F. PRATSON AND WILLIAM F. HAXBY (bottom left); EDWARD BELL (bottom right)



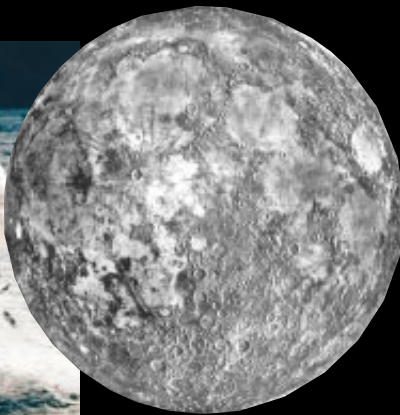
OCEANS occupy 71 percent of the surface area of the planet but remain largely unexplored. During the 1980s and early 1990s, researchers from the National Science Foundation generated images of the U.S. continental shelf, including this picture of the Monterey Bay area in northern California (left).

DIVERSITY OF LIFE

on Earth has not been fully uncovered. Roughly 1.75 million species have been discovered and named, and about 10,000 new ones are added each year. (Half of all known species are insects, and 40 percent of those are beetles.) Estimates of the total number of species on Earth are generally between seven and 14 million; zoologists believe perhaps 0.1 percent of the species that have ever existed on Earth live on it today.



EARTH'S MOON has been visited by 12 people; shown here is Edwin P. ("Buzz") Aldrin, Jr., the second person to set foot on its surface. The moon orbits Earth at an average distance of 380,000 kilometers (236,000 miles) and has a diameter about one fourth that of Earth—making it an unusually large natural satellite.

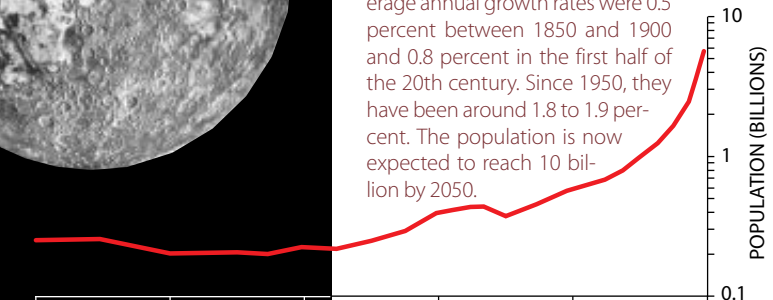


A.D. 1 400 800

HUMAN POPULATION, currently estimated at 5.8 billion, has surged in recent decades. Average annual growth rates were 0.5 percent between 1850 and 1900 and 0.8 percent in the first half of the 20th century. Since 1950, they have been around 1.8 to 1.9 percent. The population is now expected to reach 10 billion by 2050.

POPULATION (BILLIONS)

YEAR 1200 1600 2000



MAJOR ECOSYSTEMS of Earth are varied and include mountain, tropical rain forest, desert and ocean types. Urban areas, which have swelled disproportionately with population growth, are in some ways complex ecosystems in their own right.



LUIZ C. MARIANO Peter Arnold, Inc. (bird); BONNIE COSGROVE SPI/Photo Researchers, Inc. (adenovirus); MICHEL VARD Peter Arnold, Inc. (orchids); IFA/BRUCE COLEMAN INC. (tree left); JUD COONEY, Natural Selection (horses); NASA (astronaut - moon); SEIGFRIED FISCHLER, Tony Stone Images (waterfall); GARY YEOWELL, Tony Stone Images (desert); REGIS LEFEBURE, Natural Selection (beach); TIM CROSBY, Liaison International (Seattle); BRYAN CHRISTIE (chart)