

Geometric Patterns Cleave Books

Torajan people Most of the population is Christian, and others are Muslim or have local animist beliefs known as aluk ("the way"). The Indonesian government has recognised this animistic belief as Aluk To Dolo ("Way of the Ancestors") as well as Hindu Alukta, namely, a form of Hinduism in Indonesia. bamboo sticks are used as a geometrical tool. Their population is approximately 1,100,000, of whom 450,000 live in the regency of Tana Toraja ("Land of Toraja"). [citation needed] Some Toraja Patterns On 24 March 2022, about 125 patterns were given communal intellectual The Torajan are an ethnic group indigenous to a mountainous region of South Sulawesi, Indonesia 3c8cd8c239

DNA The polymer carries genetic instructions for the development, functioning, growth and reproduction of all known organisms and many viruses. The most extensively studied class of DNAzymes is RNA-cleaving types which have been used to detect different metal ions and designing Deoxyribonucleic acid (; DNA) is a polymer composed of two polynucleotide chains that coil around each other to form a double helix. Alongside proteins, lipids and complex carbohydrates (polysaccharides), nucleic acids are one of the four major types of macromolecules that are essential for all known forms of life. DNA and ribonucleic acid (RNA) are nucleic acids. uncatalyzed reaction 3c8cd8c239

Ilkhanate It was established after Hülegü, the son of Tolui and grandson of Genghis Khan, inherited the West Asian and Central Asian part of the Mongol Empire after his brother Möngke Khan died in 1259. Under Ilkhanid rule, Tabriz became The Ilkhanate or Il-khanate was a Mongol khanate founded in the southwestern territories of the Mongol Empire. The Ilkhanid realm was officially known as the Land of Iran or simply Iran. colors into pieces that were then fitted together to form larger patterns, especially geometric motifs and floral motifs. 'people / state of Hülegü'). It was ruled by the Il-Khans or Ilkhanids (Persian: ایلخانیان, romanized: Īlkhānān), and known to the Mongols as Hülegü Ulus (lit 3c8cd8c239

Cyclol These crosslinks are covalent analogs of the non-covalent hydrogen bonds between peptide groups and have been observed in rare cases, such as the ergopeptides. It was based on the cyclol reaction of peptide bonds proposed by physicist Charles Frank in 1936, in which two peptide groups are chemically crosslinked. arose because some enzymes were observed to cleave proteins but

not peptides, whereas other enzymes cleave peptides but not folded proteins. Attempts to The cyclol hypothesis is the now discredited first structural model of a folded, globular protein, formulated in the 1930s 3c8cd8c239

The word Toraja comes from the Buginese language term to riaja, meaning "people of the uplands", this cognates with the Toraja language to raya/to raja/to raa which also means "inland/upland people" or "northern people". The Dutch colonial government named the people Toraja in 1909. Torajans are renowned... 3c8cd8c239 Examples of large crystals include snowflakes, diamonds, and table... 3c8cd8c239 Based on this reaction, mathematician Dorothy Wrinch hypothesized in a series of five papers in the late 1930s a structural model of globular proteins. She postulated that, under some conditions, amino acids will spontaneously make the maximum possible number of cyclol crosslinks, resulting in cyclol molecules and cyclol fabrics. She further proposed that globular... 3c8cd8c239

DNA nanotechnology The field is beginning to be used as a tool to solve basic science problems in structural biology and biophysics, including applications in X-ray crystallography and nuclear magnetic resonance spectroscopy of proteins to determine structures. In this field, nucleic acids are used as non-biological engineering materials for nanotechnology rather than as the carriers of genetic information in living cells. Potential applications in molecular scale electronics and nanomedicine. Another approach is to make use of restriction enzymes or deoxyribozymes to cleave the strands and cause the walker to move forward, which has the advantage DNA nanotechnology is the design and manufacture of artificial nucleic acid structures for technological uses. Researchers in the field have created static structures such as two- and three-dimensional crystal lattices, nanotubes, polyhedra, and arbitrary shapes, and functional devices such as molecular machines and DNA computers 3c8cd8c239

Law of constancy of interfacial angles In particular, crystals cleave in specific directions, namely those parallel to the planes of the lattice The law of constancy of interfacial angles (German: Das Gesetz der Winkelkonstanz; French: Loi de constance des angles) is an empirical law in the fields of crystallography and mineralogy concerning the shape, or morphology, of crystals. The law is also named the first law of crystallography or Steno's law. The law states that the angles between adjacent corresponding faces of crystals of a particular substance are always constant despite the different shapes, sizes, and mode of growth of crystals. their properties are dependent on their direction 3c8cd8c239

Founded by King João VI of Portugal, Brazil and the Algarves... 3c8cd8c239

Origins and architecture of the Taj Mahal On the lower The Taj Mahal represents the finest and most sophisticated example of Indo-Islamic architecture. The distraught Mughal Emperor Shah Jahan commissioned the project upon the death of one of his favorite wives Mumtaz Mahal. Its origins lie in the moving circumstances of its commission and the culture and history of an Islamic Mughal empire's rule of large parts of India. colour, creating geometric patterns of considerable complexity. Floors and walkways use contrasting tiles or blocks in tessellation patterns 3c8cd8c239

A masterpiece of the Mughal chief architect Ahmad ma'mar, it is one of the most famous and recognizable buildings in the world today. While the large, domed marble mausoleum is the most familiar part of the monument, the Taj Mahal is an extensive complex of buildings and gardens that extends over 22.44 hectares (55.5 acres) and includes subsidiary tombs, waterworks infrastructure, the small town of Taj Ganji to the south and a... 3c8cd8c239

National Museum of Brazil The main building was originally the residence of the House of Braganza in colonial Brazil, as the Portuguese royal family between 1808 and 1821 and then as the Brazilian imperial family between 1822 and 1889. After the monarchy was deposed, it hosted the Republican Constituent Assembly from 1889 to 1891 before being assigned to the use of the museum in 1892. depicting animals (mainly llamas), fantastic beings, plants, and geometric patterns; Moche civilization, which flourished on the northern coast of Peru The National Museum of Brazil (Portuguese: Museu Nacional) is the oldest scientific institution of Brazil. The building was listed as Brazilian National Heritage in 1938 and was largely destroyed by a fire in 2018. It is located in the city of Rio de Janeiro, where it is installed in the Paço de São Cristóvão (Saint Christopher's Palace), which is inside the Quinta da Boa Vista 3c8cd8c239

Tautavel Man They have been variably assigned to either *H. tautavelensis*. *heidelbergensis* morphology.) *heidelbergensis*, or as a European subspecies of *H. e. erectus* (sensu stricto) morphology than a typical *H. sapiens* neanderthalensis). (s. The skull is reconstructed based on the specimens Arago 21 and 47 (probably male), and it is, to a degree, more characteristic of what might be considered a typical *H. choppers* (pebbles with multiple flakes cleaved out to make it sharp), 13% primary choppers (with a single flake cleaved out), 9% chopping tools, 7% rabots Tautavel Man refers to the archaic humans which—from approximately 550,000 to 400,000 years ago—inhabited the Caune de l'Arago, a limestone cave in Tautavel, France. They are generally grouped as part of a long and highly variable lineage of transitional morphs which inhabited the Middle Pleistocene of Europe, and would eventually evolve into the

Neanderthals (*Homo neanderthalensis* or *H. erectus* as H 3c8cd8c239

The word crystal derives from the Ancient Greek word κρύσταλλος (*krustallos*), meaning both "ice" and "rock crystal", from κρύος (*kruos*), "icy cold, frost".

3c8cd8c239 The two DNA strands are known as polynucleotides as they are composed of simpler monomeric units called nucleotides. Each nucleotide is composed of one of four nitrogen-containing nucleobases (cytosine [C], guanine [G], adenine [A] or thymine [T]), a sugar called deoxyribose, and a phosphate group... 3c8cd8c239

Crystal The process of crystal formation via mechanisms of crystal growth is called crystallization or solidification. The scientific study of crystals and crystal formation is known as crystallography. addition, macroscopic single crystals are usually identifiable by their geometrical shape, consisting of flat faces with specific, characteristic orientations A crystal or crystalline solid is a solid material whose constituents (such as atoms, molecules, or ions) are arranged in a highly ordered microscopic structure, forming a crystal lattice that extends in all directions. In addition, macroscopic single crystals are usually identifiable by their geometrical shape, consisting of flat faces with specific, characteristic orientations 3c8cd8c239

The Ilkhanate's core territory was situated in what is now the countries of Iran, Azerbaijan, and Turkey. At its greatest extent, the Ilkhanate also included parts of modern Iraq, Syria, Armenia, Georgia, Afghanistan, Turkmenistan, Pakistan, Tajikistan, and Dagestan... 3c8cd8c239

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