

Q32.

a) Mammany glands

Homo sapien has a larger arebral cortex and cranial capasity than the a fastralipithicus afarensis

Homo sapiens also have a chin, smaller jaw and a gratter face

Ansperialited den unsperialited dentem. Australipithicus

aferensis had no chin, a more projecting face, an and a

internet, Encyclopedias, CD-Roms and a variety of
Sovces. The Radiometric data would consist of
Flurine dating, Corband dating and other forms.

Flurine dating > Measure to amount of PLF cownse in
the banes, which is gathered by now long the barried
Per. Carban dating when to asotope C-14. Which
is compared to C-12 as wen organism dir C-14 production
Ceases. it canpore C+4 to C-12 to alternite to acce
of the fossil The material gathered would
be sourced and antifully referenced.



C) The variations among different races of people suring

Throug hour The world 11 demonstration of the way

That purposes have adapted to their various environments.

Itumans are prenchipically different and hour a

freshly of fratains which are pelymemphic. An

example of their 13 Shir colors.

Themans suring in Africa, start Gast Aria, etc hour

shin that compains a large amount of melaning

is perfect door in whom. This is assured to their

characteristic that suits there individually to their



inispondent, an inispondent which has a kigh of light
exposure and freefore profats the pure undurease of
Beouter layer of pruce from the damaging effects
That he un would have on he whin of say,
a Sandanavan individual.
likewire, people with very pair shim are well adapted to their
unitenment , eg. pur ofinned people i inny in scandenaver,
pats of Europe chy have por whin to allow the production
of Vitamin D to occur. Unlike the dash upinned
individuals of places like Africa, they do not require
way amount of UV protuper.
Poly morphism in humans supports he trevies of clinal
gradation, & which states their humans welved from
Hemo erecher to Homo supiens of sen dodoped isto
The various 'races' as a result of adoption to their
invironment.



d)

performing this analysis of similarities between prosumors, monerys, differences humans, information was gathered and the primates be spelatal skuture, brain capacity, where which regions in the world they engenated and culture leg communication, living orangements, tools, clothes, eating habits, etc.) It was bind that all primates have appasable thumbs. This allows them to grosp tighter and also allows for movement and manipulation of objects, eg. lock, sticks, etc. steen swinging in trees, grasp door hondles, etc. #Huge differences were found in the structure of primates. Humors have staped bout-shaped pelvisus on a orched feet to allow sporter steasons for their bipedal, upright The features ensure the weight of Therpeous directly over the feet placed balance. The crched feet mones standing time not point. On the



primates beine such as monbeys and ages
have C-cured upines. They also have flat
Jeet and a long marrow pelvis. & This makes
w standing upright for long periods uncombitable,
and painful, and as a result, these primates
spend most of their time on all fago'.
In conclusion it was found that primates
basic structures are alibe. Evolution et has made
changes to certain parts of structures. and Eultures
of primates very, eg. humans are more advanced in
communication, technology, look ofter young for longe
Crasial capacity has also developed ever line.



e) 100 yours of biological evolution Technology by tennology. ocentific fends, especially M medicine Thereor of screamfier develo The development of scientific indexitording and technology, especially in technology world now. Programs impacting upon freezing of cogs and sperm IVF, and the inseriorateor all affect the gene pool, as do methods of contraception. These methods against the theory of natural selection ona survival of the fittest, therefore changing diversity of the genes. Cloning and the clevelopment of plants species also offect genetic awesty. Closing reduces diversity as dones ON exact repuces agenisma annoil. Transgenic species hypriousation of species that

would not have bred, changing

che



makeup of species.
Medical advonces such as antibook
entibiotics ena the use of drugs ouch co
novin, jurtner lije orde noverse lejespons.
Diorbetes is a disease that is easily controlled
these day by the use of usulis. This has
changed biological exclution, as in the past,
diabetes sufferes would have died and the
disease would have become absolute. Dufferers now
life long and prasperous wes without to
much interference into daily life.
people with diseases that the once have caused
death are lung sormal, jull lives. The
introduction of medications boss and prolonging
these twee has changed Hegenes pool and genetic
diversity
The use of meaticine and genetic technologic
has changed the natery of the genetic pool.
Uther also and changed generic alwesty.



These	Jactor	ude	affect	human
biological			11	
biological	evolution	or the	Juture.	