

Question 32:

question 32.
a. i) one feature which can be used to classify humans as
mammals the mammary glands. The mammary glands are used
to suchle the young.
ii) Homo sapiens have a longer femur than Australopitecus afarensis
which results in longer legs.
The shape of the ribs differs from Australopithecus as to larger
organs and stomach developed. A larger cavity underneath ribs can
be found on Australopithecus aferensis.
The forehead of Homo sapien also differs from that of Australopite
as the Homo sopien has a larger for head.
I would compare the data to any other radiometric data
previously taken at or near the fossill site. I would then
compare the fossils to similiar fossills from a similiar site and
compare radiometric date on the two or more similian fossils.
Look at results from previous radiometric data to see what
is represented in the data. Gather info from Library, musuem to
see what came up in data and what information can be processed
from the findings.



c). phenotypes can either se nomozygous ar heterozygous. Offspring will result as either one depending on their parents and their diaracteristics will develope regarding their parents. Blue eyes is adominant characteristic and if two homozygous parents have blue eyes thereis quos character offspring will.



(d)	Pro	simians	Monkeys	Apes	Humans
Feature	21	skull	skul	skull	Skul
Feature	١١	legs, feet	-11-	-11-	-11-
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'	iques	50	Pelvis	NA	elvis
	simia		legs		egs
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From this we have concluded that it is easier to walk for humans than for others. Also we have concluded that when other once for run it hurts because their legs and palvis are not joined proparly. They have harder there to move around.

Also by calculating the cranial capacity

For p, M, A, H and the volume of the head

we have concluded that modern humans

have 3 times larger brain size and cranial

capasity than apes, monkeys and prosimiants.

Also the crawial capasity is for humans

1500-1000 cm² where for apes is 430-320 cm².

Also by comperison of the spine shape and foremen magnom we concluded that the human spine is more flaxable and supports the body better also the skull foremen magnom is in the centre of the skull.



where for others it is at the end joined by many
muscles to support it. Also the spine for others
is less flaxable more ridges and makes
them use arms to move around.



e) The main factors affecting human biological evolution
would include the changes in genetic engineering and medicin
advancements in medicine.
Changes in genetic engineering would be developments of new
ways of creating organisms with clesirable characteristics
used in a agricultural practices. Other experiments
Include creating trangenic species and improving the food
that is so now on the market.
Advancements in medicine would be used to help potients
who are in need of treatment. It would also evolve to
longer lifespans.
The advancements in medicine and genetic engineering
would be an advantage unless it is misused. This could
lead to problems Such as bio logical warfare and
unexpected deaths from the wrong medication. If the
impact is on the environment it can lead to irreversible
changes.
Q.