

ii · determine the source of data and who



it is by - checle that it is official. - reliability

· compare the information in different sources noting similarities and differences.

advancement in technologies means that things

there can become outdated and irrelevant.

c) Individuals of ancestral stock from regions close to the equator

such as Africans tend to have heavy skin pigmentation. The

evolutionary significance of this phenotype is that it protects the

skin from the hamful effects of UV rays from the sun which cause
skin cancer. Individuals that live in the very high or low latitudes

tend to have small amounts of melanin in their skin & thus their

skin is lighter. This aspect of skin pigmentation is evolutionary significant
because they need to maximise their absorption of sunlight so that

they can produce vitamin O. The geographical location of humans

requires certain adaptations to enable survival.



d) Prosimians are lower primates and include animals such as termurs tarsiers and bush babies when compared to New and Old world monkeys, #5 and apes and humans it seems evident that they have amuch smaller brain size. New world monkeys such as spidler monkeys and howler monkeys have a larger brain Size, Similar to the Old World Monkeys-and such as baboons and both asplay Agnicus highly curious, investigateu and social behavour. As we move te apes, which again have a large



brain size, the intelligence of these Cugansmo moreuros. Humans non the largest brain to body Size as Well as ortholiting the most comp as well as their social behaviour. Humans have the largest brain to body size of all the primates and also show the must complex behaviour and social anganisation. From the information gathered about brown Capacity of prosimions, monkeys, apes and humans it Composer Communicates the idea that the larger and more clenelaped the brown is the my greater the intelligena et the spead. Humans have largest brains re and it is known that my exhibit the most camples behanians, and authore man any when primates Apes have a more danslapsed brain than



monkeys and is expressed shrough theme more caregine sources growings and intelligence

Prasimans and New Warld monkey are totaly andoreal. Almough Old would monkeys spend a more time on the ground ferligery for foulthey In dwell in heer and have a differen spine shape and position of the for foramen magnum man apps and humans. Apes spend more time in a some upright and appright stance Man Monkeys and prosimians. Pms me ans they they duels on the ground for the majority of time. Humans have an hongh stance and bypedas gart - alrowed because of the shape If the spine and the position is the fevamen pragmin. From Mis Moumation is usuald seem that



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stance = Spend less time on trees time

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this information that humans may be closer related to apes

knimps etc) man monkeys and pressimilians.



e) I predict that the main factors would be genetic engineering and various reproductive technologies. Genetic engineering through the technique of cloning produces populations of organisms that are genetically identical. As a result, variation is decreased and this can be hazardown if a sudden environmental change takes place. If applied to humans, a number of times, the species are a large number of the species may be wiped out because of this lack of genetic variation. Human biological evolution may be affected further if foetus are continuesly scanned for genetic defects & subsequently aborted. This will reduce the number of deleterious genes in the population and possible increase human life expectancy Reproductive technologies such as artificial insemination will decrease genetic variation within humans & may be detrimental to human evolution. This is because sperm banks are created where desirable characteristics can be selected, & thereby increasing the amount of certain genes in a population. The mapping of the human genome will also affect human biological evolution because scientists will be able to cure various genetic diseases. This means that we may live longer and a greater number of the population will be elderly. Genetic

