

Human evolution evidence

Q1.(2019)

AO2 (6 marks)

Area 1 - Age of tools

- Younger rock layers towards top / older rock layers lower down
- C is older than B which is older than A
- Tools can be compared with other fossils from known time period
- Rocks can be dated, e.g. radiometric dating

Area 2 - Quality of tools

- A is the most sophisticated / most finely worked / more specialised / more refined / more symmetrical
- B shows some evidence of being worked / is rough
- C most basic / most simple / less sophisticated / unworked

Area 3 - Skills and intelligence

- tools show evidence of greater human manipulation / greater skill (between C and A)
- higher intelligence in more recent (species of) humans

Q2.a(2022)

A description including **two** from:

- by hitting it (1)
- with another stone / rock / flint / something hard (1)
- to knock flakes /chips off (1)

Q2.b(2022)

B tool Q is more pointed than tool P

The only correct answer is B

A is incorrect because colour does not tell you how advanced the maker of the tool was.

C is incorrect because colour does not tell you how advanced the maker of the tool was.

D is incorrect because Q is more pointed than P.

Q2.c(2022)

- natural (1)
- mutate (1)

Must be in the correct order

Reject migrate against either mark

Q2.d(2022)

A description including **two** from:

- compare with other tools / fossils (that have already been dated) (1)
- from the (layer of) rock in which they are found / how deep down each was found (1)
- radiometric dating / description of radiometric dating (1)
- comparing to other finds (of known age) from the same layer (of rock) (1)

Q3.a(2023)

A layer A

The only correct answer is A

B is not correct because layer B will not contain the most recent fossils

C is not correct because layer C will not contain the most recent fossils

D is not correct because layer D will not contain the most recent fossils

Q3.b(2023)

An explanation including

- tool A is less refined (than B, C and D) (1)
- (because) tool A was worked less (1)
- (because) it is older / made by earlier humans / less evolved humans (1)

Q4.(2024)

fossils / (structure of)
{skeletons / bones / skull /
pentadactyl limb}

Q5.a(2024)

An explanation including:

{tool A / newer tool} is more
{refined /specialised} (1)

so {more recent humans /
humans that made tool A} had
greater skill (1)

because more recent humans
were more intelligent (1)

Q5.b(2024)

compare with other finds (of a
known age) / compare their
shapes (1)

depth in rock layer (1)

(radiometric) dating the
surrounding rocks (1)