

(Homeostasis (definition, control systems))

Q1.a)(2021)

any **one** from:

- movement would release (extra) heat
- movement would increase body temperature
- movement would increase sweating

Q1.b)(2021)

37.4 °C

Q1.c)(2021)

blood is cooled at stomach / mouth

(cooled) blood flows to the brain

Q1.d)(2021)

via nerve(s) / neurones

or

via (nerve) impulse(s)

Q1.e)(2021)

less sweating occurs

so less heat is lost **or** less cooling

Q1.f)(2021)

dilation of blood vessels in the skin

Q2.a)(2022)

$$3200 \times 2.5$$

8000 (kJ)

Q2.b)(2022)

$$\frac{6000}{24\ 000} \times 100$$

25 (%)

Q2.c)(2022)

reduced