

CAM 19 - TEST 3 - PART 3

SCIENCE EXPERIMENT FOR YEAR 12 STUDENTS

Section 3 - Questions 21–25

Choose the correct letter, A, B or C.

21 How does Clare feel about the students in her Year 12 science class?

- A.** worried that they are not making progress
- B.** challenged by their poor behaviour in class
- C.** frustrated at their lack of interest in the subject

22 How does Jake react to Clare's suggestion about an experiment based on children's diet?

- A.** He is concerned that the results might not be meaningful.
- B.** He feels some of the data might be difficult to obtain.
- C.** He suspects that the conclusions might be upsetting.

23 What problem do they agree may be involved in an experiment involving animals?

- A.** Any results may not apply to humans.
- B.** It may be complicated to get permission.
- C.** Students may not be happy about animal experiments.

24 What question do they decide the experiment should address?

- A.** Are mice capable of controlling their food intake?
- B.** Does an increase in sugar lead to health problems?
- C.** How much do supplements of different kinds affect health?

25 Clare might also consider doing another experiment involving

- A.** other types of food supplement.
- B.** different genetic strains of mice.
- C.** varying amounts of exercise.

Questions 26–30 Complete the flowchart below.

Choose **FIVE** answers from the box and write the correct letter, **A–H**, next to Questions 26–30.

A – size

B – escape

C – age

D – water

E – cereal

F – calculations

G – changes

H – colour

Choose mice which are all the same **26**..... .



Divide the mice into two groups, each with a different **27**..... .



Put each group in a separate cage.

Feed group A commercial mouse food.

Feed group B the same, but also sugar contained in **28**..... .



Take measurements using an electronic scale.

Place them in a weighing chamber to prevent **29**..... .



Do all necessary **30**..... .