

**Biological molecules – 2021 O Level 5090****1. Nov/2021/Paper\_12/No.8**

The table shows the colours obtained after testing three different foods for carbohydrates, fats and proteins.

test	food X	food Y	food Z
Benedict's	red	blue	blue
iodine	black	brown	brown
biuret	blue	violet	blue
ethanol emulsion	clear	clear	milky white

Which nutrients are present in foods X, Y and Z?

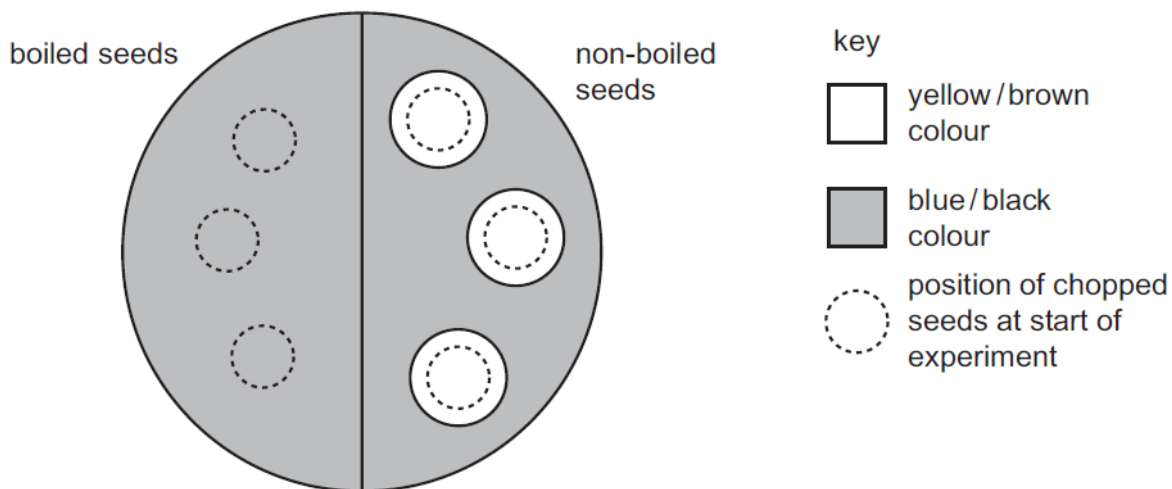
	food X	food Y	food Z
<b>A</b>	carbohydrates	proteins	fats
<b>B</b>	fats	proteins	carbohydrates
<b>C</b>	carbohydrates	fats	proteins
<b>D</b>	proteins	carbohydrates	fats

## 2. Jun/2021/Paper\_11/No.34

Six bean seeds were soaked in cold water. Three of them were boiled and cooled. The boiled and the non-boiled seeds were chopped up and then placed on the surface of agar jelly containing starch.

After two days, all the seeds were removed and the jelly was tested with iodine solution.

The diagram shows the result of the experiment.



What is the explanation for the results with the non-boiled bean seeds?

- A They absorb iodine.
- B They absorb starch.
- C They contain acid.
- D They contain amylase.

