

ARTIS MICROPIA

Yeast

Airy fungi



Answers to the questions to the experiment.

Question 1: What happened to the balloons?

Answer: The balloons on the bottles were blown up.

Question 2: What difference do you see between the two bottles?

Answer: The balloon on the bottle with the cross (containing sugar) has become much bigger than the balloon on the bottle without the cross (without sugar).

Question 3: Why do you think that is?

Answer: Yeasts are single-celled fungi which eat sugars. When doing so, produce the gas carbon dioxide (CO₂). This carbon dioxide fills the balloons. But the yeast in the bottle without sugar has nothing to eat and it therefore does not produce any carbon dioxide. As a result, the balloon inflates less, if at all.

Question 4: Is what happened what you expected, or not?

Answer: Yes, because if you feed the yeast (sugar), gas is released, so the balloon inflates. Did it happen in your case too?

Question 5: Why do bakers use yeast for making bread?

Answer: Yeast produces carbon dioxide, which makes the dough rise. By using yeasts for making bread, the bread turns out nice and fluffy.