



Mould Investigation



You are going to investigate the conditions which encourage mould growth on bread. You will need to decide what you are going to change (the independent variable): the temperature of the location of your bread or the amount of water that you add. Everything else will need to stay the same.

Put three slices of white bread in separate ziplock bags. Label each bag so you know which is which. Add water to each bag and seal. Place the bags in your chosen location. Observe the bread every few days over ten days. Write down your observations and/or draw a diagram of what you see or take a photograph. Once you have finished, throw away the bags without opening them.

Warning: Do not open the sealed ziplock bag - inhaling mould spores may be harmful!

Independent variable:

Condition 1: _____

Condition 2: _____

Condition 3: _____

Condition 4: _____

Which condition resulted in the mouldiest bread? Why do you think this happened?

Disclaimer: We hope you find the information on our website and resources useful. The activities set out in this resource are potentially hazardous. The activities are not suitable for all children and adult supervision may be required for some of the activities. It is your responsibility to assess whether the children in your care are able to safely carry out the activities and whether the children require adult supervision. You are responsible for carrying out proper risk assessments on the activities and for ensuring that activities can be carried out safely. We are not responsible for the health and safety of your group or environment so, insofar as it is possible under the law, we cannot accept liability for any loss suffered by anyone undertaking the activity or activities referred to or described in this resource. It is also your responsibility to ensure that those participating in the activity are fit enough to do so and that you or the organisation you are organising for has the relevant insurance to carry out the physical activity. If you are unsure in any way, we recommend that you take guidance from a suitably qualified professional.