

TO INVESTIGATE THE GROWTH OF FUNGI

- Investigative question:*
Is humidity essential for fungal growth? **OR**
Will fungi grow better in humid circumstances? (2)

- Bread without moisture Bread with moisture

CRITERIA FOR ASSESSMENT OF SKETCHES:

- Distribution on each piece of bread (1) correctly presented (1)
- Labels (1) at each (1) sketch
- Headings supplied (1)
- Indication which bread is with/without moisture (1) (6)

- | Bread with iodine | Bread sprinkled with water |
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| <ul style="list-style-type: none"> • Colour dark blue/black (1) • Little, if any fungal growth, OR • Little, if any bread mould (<i>Rhizopus</i>) (1) | <ul style="list-style-type: none"> • No colour change (1) • Various types of fungal growth, OR • Good development of bread mould (<i>Rhizopus</i>) (1) |

Table drawn (1) (5)

- Fungi prefer moisture/flourish in moisture (2)
- The bread colour dark blue/black (1)
- It indicates that starch is present in bread/positive test for starch (2)
- Darkness is a favourable condition for fungal growth (1)
- Can be allergic to fungi (penicillin) (1)

9. Fungi are heterotrophic (1); contains no chlorophyll (1)
Fungi are saprophytic (1); absorbs organic food from substrate (1)
Plants contain chlorophyll (1); photosynthesise/produce organic food (1) (6)
10. Spores (1) [27]

CRITERIA FOR HANDLING OF APPARATUS:

- Investigation executed according to the instructions (1)
Work totally independent (1)
Cleans up afterwards (1) [3]

TOTAL: 30