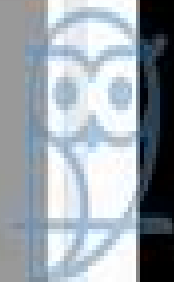


100

One method of measuring the rate of transpiration is to record how long it takes a red stain to travel up the xylem tissue in a celery stalk that still has its leaves attached.

Plan an investigation to determine the effect of humidity on the rate of movement of water through leafy twigs.

- try at different humidities: 0%, 20%, 40%, 60%, 80%.
- control: temperature, wind speed, light intensity, carbon dioxide levels, leaf surface area.
- measure distance moved by the stain up the stem in 10 minutes
- divide the distance moved by time taken to get rates to compare
- repeat 5 times at each humidity level
- wear gloves when working with the stain



# Igcse Biology Practical Past Papers

**Jianjun Gao**



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countries is given to providing access to studies which allow school leavers to enter science and technology related careers. These programmes are driven by the belief that graduates will then substantially contribute to the developmental needs of their countries. But is providing access to institutions enough? Students in developing countries often come from school environments lacking in resources, human, physical and financial. This book, in a number of chapters, reviews research related to the crucial dimension of epistemological access to the disciplines of interest which students need as much as institutional access in order to improve their chances of success. A significant feature of this collection's research studies is that their empirical bases are highly localised, covering areas such as research methods, access, curriculum, instruction and assessment, and the relevance of science and mathematics education in Zimbabwe, Uganda, Swaziland, South Africa, Namibia, Malawi, Ghana and Lesotho. This volume provides invaluable insights and will be of relevance to researchers, policy makers and lecturers interested in these research outcomes in Sub-Saharan Africa. It is the outcome of a doctoral research capacity development project, the Graduate Studies in Science, Mathematics and Technology Education GRASSMATE. Enhancing Learner Performance in Five School Subjects Through a Teacher In-service Workshop, 1998. Proceedings of a workshop held in Mariental in 1997. Includes papers on learner failure in Namibia and the challenges faced by teachers with regard to the new HIGCSE. **Whitaker's Books in Print**, 1998. Cambridge IGCSE® Biology Practical Workbook Matthew Broderick, 2016-01-04. This edition of our successful series to support the Cambridge IGCSE Biology syllabus 0610 is fully updated for the revised syllabus for first examination from 2016. Written by an experienced teacher who is passionate about practical skills, the Cambridge IGCSE Biology Practical Workbook makes it easier to incorporate practical work into lessons. This Workbook provides interesting and varied practical investigations for students to carry out safely with guided exercises designed to develop the essential skills of handling data, planning investigations, analysis and evaluation. Exam style questions for each topic offer novel scenarios for students to apply their knowledge and understanding and to help them to prepare for their IGCSE Biology paper 5 or paper 6 examinations. *The School Science Review*, 2002. **Cambridge IGCSE® Biology Practical Teacher's Guide with CD-ROM** Matthew Broderick, 2016-01-04. This edition of our successful series to support the Cambridge IGCSE Biology syllabus 0610 is fully updated for the revised syllabus for first examination from 2016. The Cambridge IGCSE Biology Practical Teacher's Guide complements the Practical Workbook, helping teachers to include more practical work in lessons. Specific support is provided for each of the carefully designed investigations to save teachers time. The Teacher's Guide contains advice about planning investigations, guidance about safety considerations, differentiated learning suggestions to support students who might be struggling and to stretch the students who are most able, as well as answers to all the questions in the Workbook. The Teacher's Guide also includes a CD-ROM containing model data to be used in instances when an investigation cannot be carried out. *Cambridge IGCSE(tm) Biology Practical Skills Workbook* Salma Siddiqui, 2021-04-30. We are working with Cambridge Assessment International Education to gain endorsement for this

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