

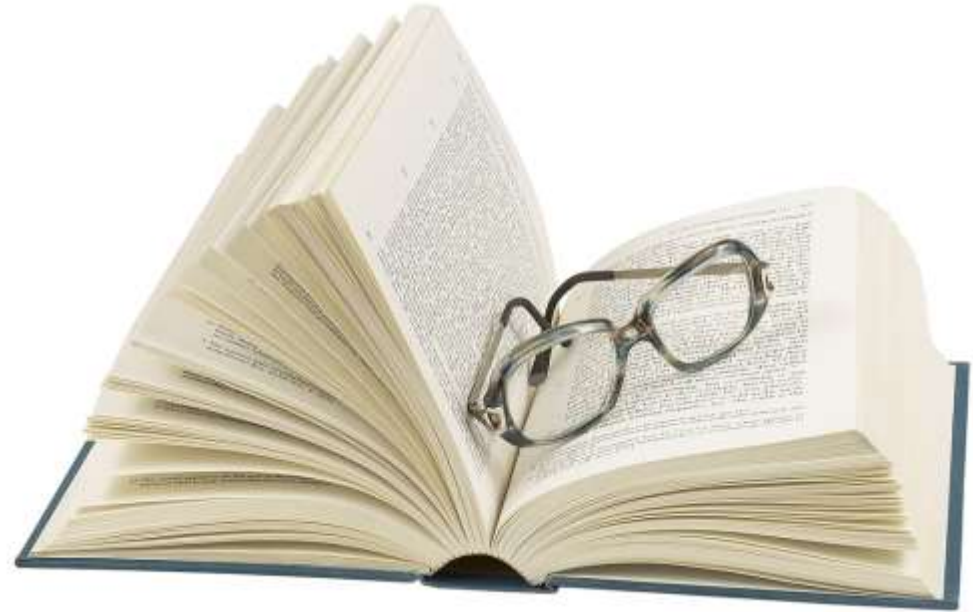
Annual Briefing for P6 Parents

Science Briefing

10 Mar 2017

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PSLE Exam Format

Format of Paper

The examination consists of one written paper comprising two booklets. Booklet A and Booklet B.

Standard Science

Booklet	Item Type	Number of questions	Number of marks per question	Marks
A	Multiple-choice	28	2	56
B	Open-ended	12-13	2-5	44

Duration of Paper

The duration of the paper is 1 hour 45 minutes.

PSLE Exam Format

Science Syllabus Themes

The examination consists of themes across Life Science and Physical Science.

Standard Science

Theme	Life Science	Physical Science
Diversity	<ul style="list-style-type: none">Diversity of living things (General characteristics and classification)	<ul style="list-style-type: none">Diversity of non-living things (General characteristics and classification)Diversity of materials
Cycles	<ul style="list-style-type: none">Cycles in plants and animals (Life cycles, Reproduction)	<ul style="list-style-type: none">Cycles in matter and water (Matter, Water)
Systems	<ul style="list-style-type: none">Plant system (Plant parts and functions, Respiratory and circulatory systems)Human system (Digestive system, Respiratory system and circulatory systems)Cell system	<ul style="list-style-type: none">Electrical system
Interactions	<ul style="list-style-type: none">Interaction within the environment	<ul style="list-style-type: none">Interaction of forces (Magnets, Frictional force, gravitational force, force in springs)
Energy	<ul style="list-style-type: none">Energy forms and uses (Photosynthesis)	<ul style="list-style-type: none">Energy forms and uses (Light and heat)Energy conversion

PSLE Exam Format

Format of Paper

The examination consists of one written paper comprising two booklets. Booklet A and Booklet B.

Foundation Science

Booklet	Item Type	Number of questions	Number of marks per question	Marks
A	Multiple-choice	18	2	36
B	Structured	6-7	2-3	14
	Open-ended	5-6	2-4	20

Duration of Paper

The duration of the paper is 1 hour 15 minutes.

PSLE Exam Format

Science Syllabus Themes

The examination consists of themes across Life Science and Physical Science.

Foundation Science

Theme	Life Science	Physical Science
Diversity	<ul style="list-style-type: none">• Diversity of living things	<ul style="list-style-type: none">• Diversity of non-living things• Diversity of materials
Cycles	<ul style="list-style-type: none">• Cycles in plants and animals	<ul style="list-style-type: none">• Cycles in matter and water
Systems	<ul style="list-style-type: none">• Plant system• Human system	<ul style="list-style-type: none">• Electrical system
Interactions	<ul style="list-style-type: none">• Interaction within the environment	<ul style="list-style-type: none">• Interaction of forces
Energy	<ul style="list-style-type: none">• Energy forms and uses	<ul style="list-style-type: none">• Energy forms and uses

Tips for preparing your child



1. Extend learning in simple, effective ways
 - Review their work with them in the form of a concept map and this will help them to remember the key concepts in a particular topic
 - Practice MCQ questions with them with reference to the concept map, textbook or other resources
 - Review the concepts again and then practice with the open ended questions. The best would be with questions that has a set up for them to study. Once again, the more the better
2. Learning science through questioning
 - Engage your child by inviting them to ask questions or asking them questions
 - Acknowledge your child's effort in asking questions and guide them as they look for an answer

Extracted from:

1. <https://www.kiasuparents.com/kiasu/article/how-to-teach-primary-school-science/>
2. <https://www.schoolbag.sg/story/helping-your-child-to-enjoy-science>
3. <https://sg.theasianparent.com/preparing-your-child-for-primary-school-science/>

Tips for preparing your child



3. Exploring Science with your child

- Help your child build interest and make sense of the world around them by showing them science phenomena that occurs in everyday activities
- Use experiments, videos and other fun activities to engage your child
 - <https://www.scientificamerican.com/education/bring-science-home/>
 - <http://www.bbc.co.uk/education/subjects/z2pfb9q>

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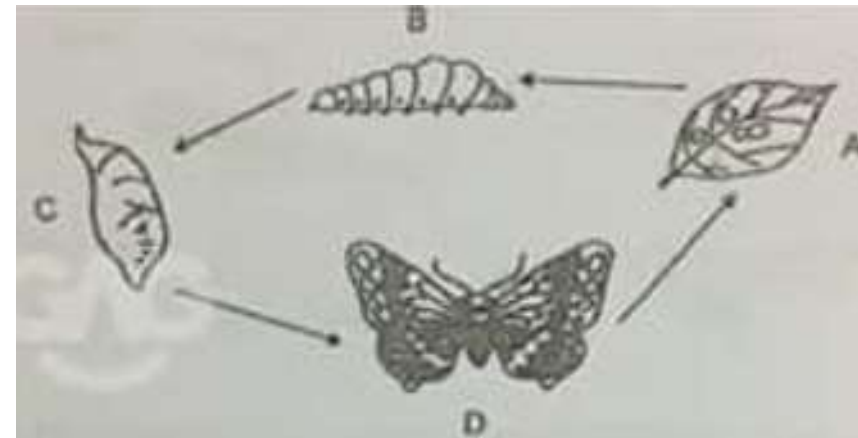
1. <https://www.kiasuparents.com/kiasu/article/how-to-teach-primary-school-science/>
2. <https://www.schoolbag.sg/story/helping-your-child-to-enjoy-science>
3. <https://sg.theasianparent.com/preparing-your-child-for-primary-school-science/>

Examination Tips for students

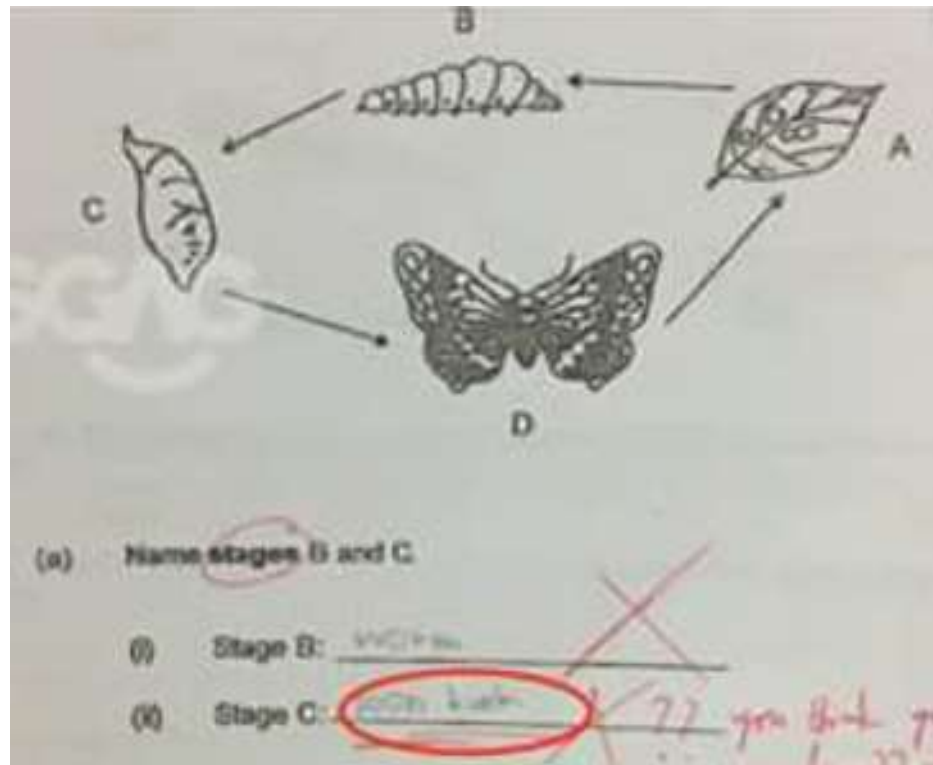


1. Go to the toilet before the exam starts.
2. Read all the questions carefully before starting and quickly plan how much time to allocate to each question.
3. Start answering the question that you feel more confident about. There is no need to answer the questions in order.
4. If your brain freezes, just start writing anything and you will soon start remembering more details.
5. Leave any questions that you are unsure about to the end.
6. Use every minute of the exam and if you have time left, review your answers before handing back the paper.

P6 Science Booklet B: Factual Knowledge vs Interpretation of Information



P6 Science Booklet B: Factual Knowledge vs Interpretation of Information

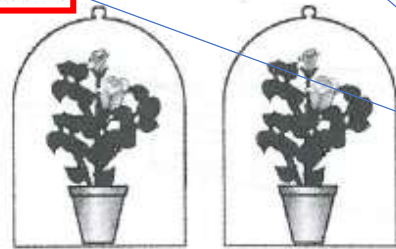


P6 Science Booklet B: CER Strategy

CER Strategy	Definition
Claim	A conclusion that answers the original question.
Evidence	Scientific data that supports the claim. Using of the following to support the claim <ul style="list-style-type: none">• Interpretation of information including <u>pictorial, tabular and graphical</u>• Scientific facts, concepts and principles (Use comparative or superlative terms when comparing against 2 or more experimental set-ups)
Reasoning	A justification that links the claim and evidence. It shows why the data counts as evidence by using appropriate and sufficient scientific principles.

Sample of students' work

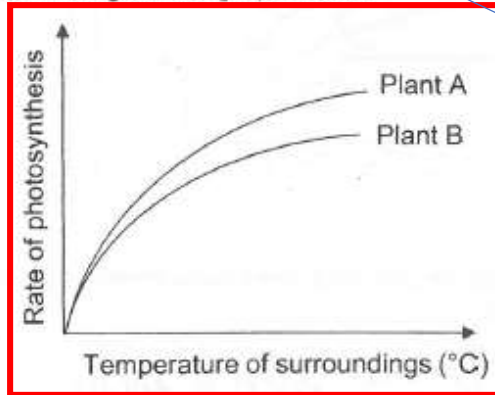
42. Sue placed two pots of similar plant A and B in different containers with different amounts of carbon dioxide.



Plant A
In a container
with 30ml of
carbon dioxide

Plant B
In a container
with 20ml of
carbon dioxide

She recorded the rate of photosynthesis for each plant at different temperature and presented her findings in the graph below.



- c) Which plant A or B will make more food? Explain your answer. [1]

Plant A. It has a higher rate of photosynthesis.

Process of photosynthesis

- c) Which plant A or B will make more food? Explain your answer. [1]

Plant A. The diagram show that plant A photosynthesis more than plant B, so plant A make more food than plant B.

Plant A has more carbon dioxide than plant B so it can photosynthesize faster.

Thank You!

