

YEAR 7 SCIENCE
EXAMINATION - SEMESTER 2, 2015



**KINROSS
COLLEGE**

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WRITTEN QUESTION & ANSWER BOOKLET 2

STUDENT'S NAME:

TEACHER'S NAME

DATE:

Topic	Section	Marks
Earth Science	Multiple Choice	/15
	Short Answer	/10
	Extended Answer	/10
Physical Science	Multiple Choice	/15
	Short Answer	/10
	Extended Answer	/10

Instructions to candidates

1. Sitting this examination implies that you agree to abide by the examination rules set down by Kinross College.
2. Answer the questions in the space provided.
3. You must be careful to confine your responses to the specific questions asked and to follow any instructions that are specific to a particular question.
4. A spare page is included at the end of this booklet. It can be used for planning your responses and/or as additional space if required to continue an answer.
 - (a) Planning: If you use the spare page for planning, indicate this clearly at the top of the page. If you choose to use lined paper for planning, ensure your name and the title is clearly printed.
 - (b) Continuing an answer: If you need to use the space to continue an answer, give the page number. Fill in the number of the question (s) that you are continuing to answer at the top of the page.
5. This examination contributes towards your report. If you have any questions, please ask them during the **ten-minute reading time**.
6. Manage your time wisely. Always provide substantiation (evidence). Make sure that what you have written makes sense.

Note: Please do not turn this page until you asked to do so

PART B: SHORT ANSWER

1. Classify the following resources as non- renewable or renewable by placing a tick in the correct column. (5 marks)

Resource	Non-renewable	Renewable
Gum trees		
Water		
Sand		
Sheep		
Minerals		

2. Label the following statements as True or False. (5 marks)

i) A constellation is a group of stars that forms a recognisable pattern when viewed from Earth. _____

ii) Neptune is the planet furthest from the Sun _____

iii) Pluto is known as a Dwarf Planet _____

iv) The Moon is an example of a natural satellite _____

v) Earth orbits around the Moon _____

3. What do Simple Machines do? (2 marks)

4. Name three types of Simple Machines. (3 marks)

1. _____

2. _____

3. _____

5 In the box below draw a diagram that demonstrates how you could use a ramp or inclined plane to help you in everyday life. (2 marks)



PART C: EXTENDED ANSWER

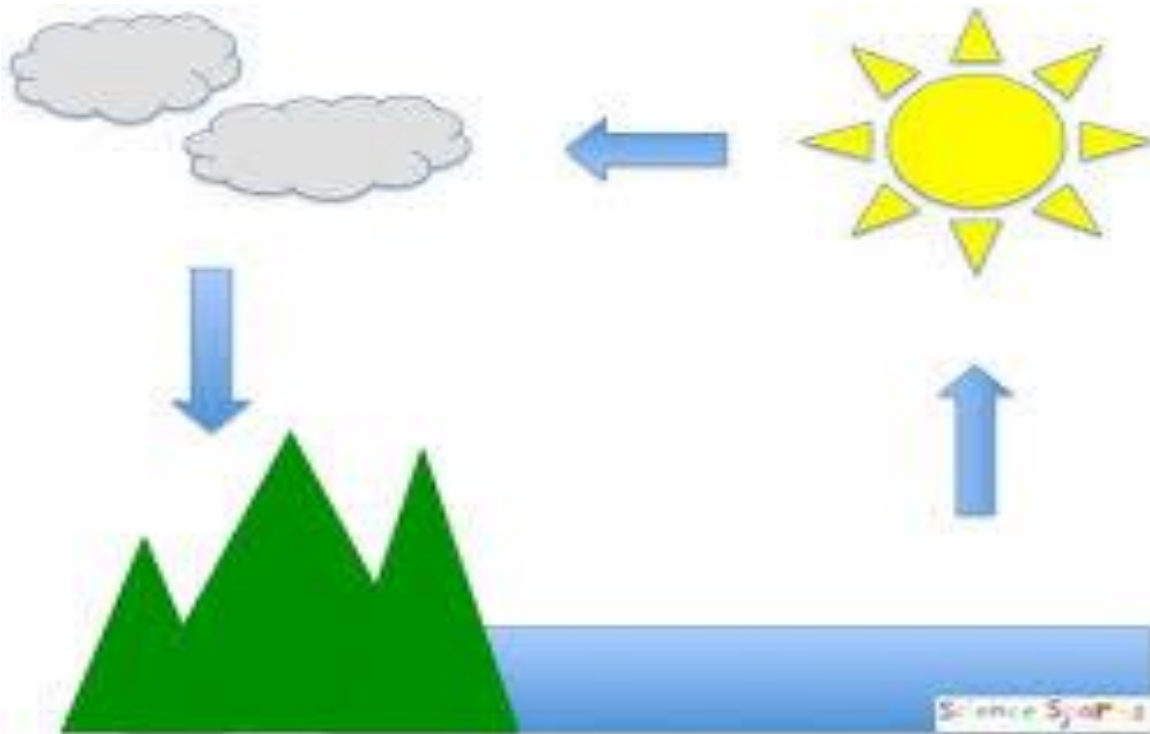
10 marks

Underneath this diagram, describe how a ramp or inclined plane can help you.

(3 marks)



Use the Water Cycle diagram below to answer the following questions.



1. Label the arrows with the correct step of the water cycle. (3 marks)

2. Explain why it is important that water is recycled in nature. (2 marks)

3. Describe one method Indigenous Australians use to locate water. (1 mark)

4. Describe four ways you could save water in your home. (4 marks)

5. In the boxes below draw a diagram of the following: You must label the Effort, Fulcrum and Load. (3marks)

1 st class lever	2 nd class lever	3 rd class lever
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6. Explain what a speed multiplier does. Give an example. (2 marks)

7. Explain what a force multiplier does. Give an example (2 marks)

8. Explain why a boat propeller is classified as a screw. Draw a diagram to demonstrate your understanding. (3 marks)

END OF EXAMINATION