For Supervisor's use only

90192





Level 1 Science, 2006 90192 Describe aspects of astronomy

Credits: Two 9.30 am Tuesday 28 November 2006

Check that the National Student Number (NSN) on your admission slip is the same as the number at the top of this page.

You should answer ALL the questions in this booklet.

If you need more space for any answer, use the page(s) provided at the back of this booklet and clearly number the question.

Check that this booklet has pages 2–8 in the correct order and that none of these pages is blank.

YOU MUST HAND THIS BOOKLET TO THE SUPERVISOR AT THE END OF THE EXAMINATION.

For Assessor's use only		Achievement Criteria			
Achievement		Achievement with Merit	Achievement with Excellence		
Describe aspects of astronomy.		Explain aspects of astronomy.	Discuss aspects of astronomy.		
Overall Level of Performance					

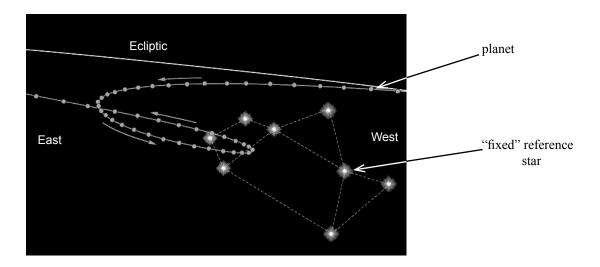
You are advised to spend 20 minutes answering the questions in this booklet.

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QUESTION ONE: THE SOLAR SYSTEM

- (a) What name is given to the curved path that a planet takes around the Sun?
- (b) Name the planet whose path around the Sun is **not** in the same plane as all the other planets.
- (c) Name the largest planet in our solar system.

All planets travel around the Sun in the same direction. Sometimes, a planet viewed from Earth appears to have reversed its direction of motion, as shown in the diagram below.

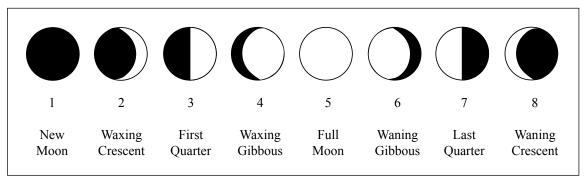


- (d) Name the term used to describe the motion of a planet as shown in the above diagram.
- (e) Explain why a planet when viewed from Earth appears to have reversed its direction of motion.

provided below.			
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(b) The following diagram illustrates the phases of the Moon.

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Explain why the same side of the Moon always faces the Earth. Name THREE planets, other than the Earth, that have moons. (i)						
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	Explain wh	y the same side	e of the Moon	always faces	the Earth.	
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(i)	Explain wh	y the same side	e of the Moon	always faces	the Earth.	

(iii)

se the position and movement of the Earth to discuss how and why the two equinoxes oc	cur.
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QUESTION THREE: SPACE EXPLORATION

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Scientists use a variety of methods to gather information about the solar system.

Extra paper for continuation of answers if required. Clearly number the question.

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Question number	

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Asse	ssor's
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Question number	