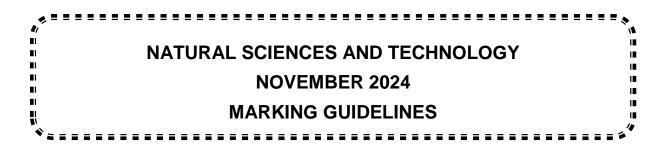


# education

Department: Education North West Provincial Government REPUBLIC OF SOUTH AFRICA

**PROVINCIAL ASSESSMENT** 

#### **GRADE 6**



MARKS: 60

These marking guidelines consist of 5 pages.

Please turn over

### Grade 6 – Marking guidelines

ANSWER			
C✓			
B✓	7		
Crater V	_		
	5		
B√√			
A <			
F✓✓	8		
	ANSWER $C \checkmark$ $A \checkmark$ $D \checkmark$ $B \checkmark \checkmark$ $C \lor \checkmark$ $A \checkmark \checkmark$ $F \lor \checkmark$ TOTAL SECTION		

2

#### 3 Grade 6 – Marking guidelines

SECTION B			
QUESTION 2			_
2.1	2.1.1	a) No√ b) No √ c) Yes √	3
	2.1.2	Circuit A and B are incomplete. $\checkmark$ (A with a gap between negative terminal and the bulb. B has only one connective wire from positive terminal.) C is a complete circuit that allows the flow of electricity. $\checkmark$ *(mark any relevant explanations)	2
	2.1.3	Light√ and heat√	2
2.2	2.2.1	Image: With the second seco	5
2.3	2.3.1	a) Coin ✓ b) Rubber ✓	2
	2.3.2	Which materials will act as conductors or insulators between the 6 different materials? $\checkmark\checkmark$	
	2.2.3	3 materials are conductors and 3 are insulators. $\checkmark\checkmark$ Reject $\checkmark$ Hypothesis (Not all materials acted as insulators)	2
			3 <b>[19]</b>

QUESTION 3			
3.1	3.1.1	Electric stoves and geysers are high-power appliances that require more energy to generate heat. $\checkmark$ Appliances that are used for heating use more electrical energy and will therefore cost more. $\checkmark$	2
	3.1.2	A. Use a gas stove. √ B. Use a solar geyser. √	2
	3.1.3	Solar energy √	1
			[5]
		TOTAL SECTION B:	24

## Grade 6 – Marking guidelines

SEC	TION C		]
QUE	ESTION 4		
4.1	4.1.1	a) Jupiter b) Saturn	2
	4.1.2	Earth	1
	4.1.3	<b>Barrier Structure</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solution</b> <b>Solutio</b>	
		Earth Mars Neptune	5
QUE	STION 5		
5.1	5.1.1	Southern African Large Telescope or (SALT)	1
	5.1.2	$2025\checkmark - 20\checkmark = 2005\checkmark$ * (mark any mathematical method that arrives to the correct answer)	3
	5.1.3	Lenses ✓ and big mirror ✓	2
5.2		Earth's movement in its own orbit around the Sun $\checkmark$ and Moon also revolves in orbit around the Earth. $\checkmark$	2
		TOTAL SECTION C:	16
L		GRAND TOTAL:	60