



Western Cape  
Government

Education

**GRADE: 5**  
**SUBJECT: NATURAL SCIENCES AND TECHNOLOGY**  
**TERM ONE**  
**FORMAL ASSESSMENT TASK (FAT) 2**

Name: \_\_\_\_\_

Class: \_\_\_\_\_ Date: \_\_\_\_\_

School: \_\_\_\_\_ Teacher: \_\_\_\_\_

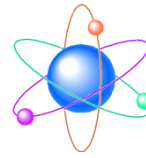
FAT	Activity/Form	Learner's mark	Learner's %
2.	Test		
<b>TOTAL</b>		<b>30</b>	



Term 1  
March

“Name of School”

Natural Sciences and Technology  
Test



Grade: 5  
Time: 60 minutes  
Marks: 30

Knowledge Strands: Life and Living and Structures

Write your name here: \_\_\_\_\_ Class: \_\_\_\_\_



Instructions

1. Answer all the questions on the question paper.
2. Use a pen for writing.
3. All drawings must be done in pencil.

Question 1

Read each question and make a circle around the letter A, B, C or D that is the correct answer:

- 1.1 The stages in the life of a living thing is called a ...  
A. sequence  
B. life cycle  
C. food chain  
D. time line. (1)
- 1.2 Which of the following animals is a carnivore?  
A. Kangaroo  
B. Sheep  
C. Lion  
D. Giraffe. (1)  
(2)

Question 2

Match the definitions in column A with the word in column B.  
Write the letter from column B as your answer in the middle column.

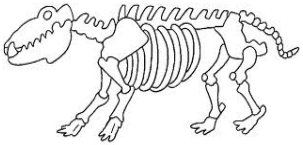
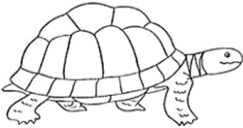


2.	COLUMN A	Answer	COLUMN B
	2.1 Begins to sprout or grow into a seed		A. Habitat
	2.2 The place where two or more bones meet		B. Germination
	2.3 Substances that help living things to grow		C. Strut
	2.4 The natural home of a plant or animal		D. Joint
	2.5 A part of a structure that helps to support a load		E. Nutrients
			F. Shelter
			G. Shell

(5)

### Question 3

3.1 Identify which are frame or shell structures in the pictures below.

Write in the word shell or frame in the space provided below each picture

(a)	(b)	(c)	(d)
			

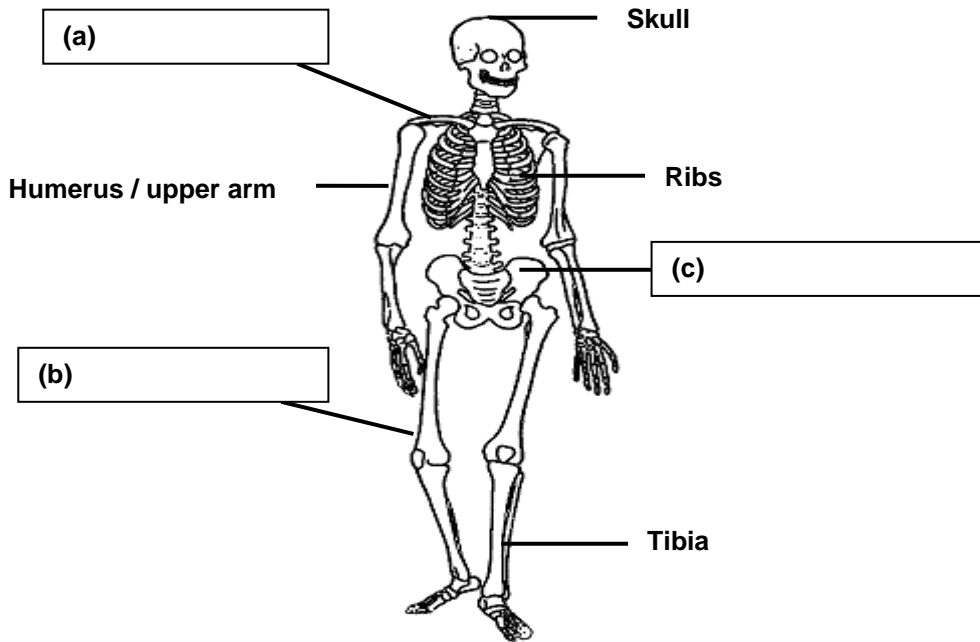
(4)

**Question 4**

4.1 Use the words in the table below and identify the numbered parts of the human skeleton.

Write down the correct label in the space labeled (a), (b) and (c) on the diagram below.

Femur	Pelvic / hip bone	Clavicle / collarbone	Spine
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(3)

4.2 Different parts of the skeleton have a function.

What is the function of the skull?

(2)

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(5)

## Question 5

The diagrams below show four living things found in a forest.

Study the diagrams and answer the questions that follow.



Owl



Oak tree

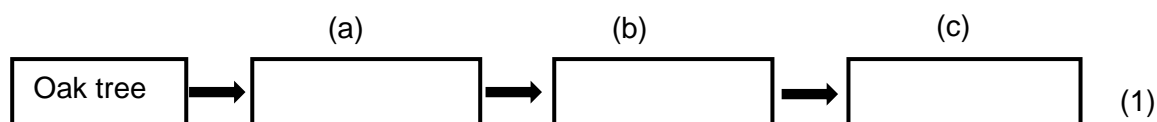


Black bird



Caterpillar

- 5.1 Complete the food chain of these four living things.  
Do not redraw the living things; only write the names in the correct order starting after the oak tree.



- 5.2 Why do we call an oak tree a producer? (2)

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- 5.3 Which living thing in the food chain is an insect? (1)

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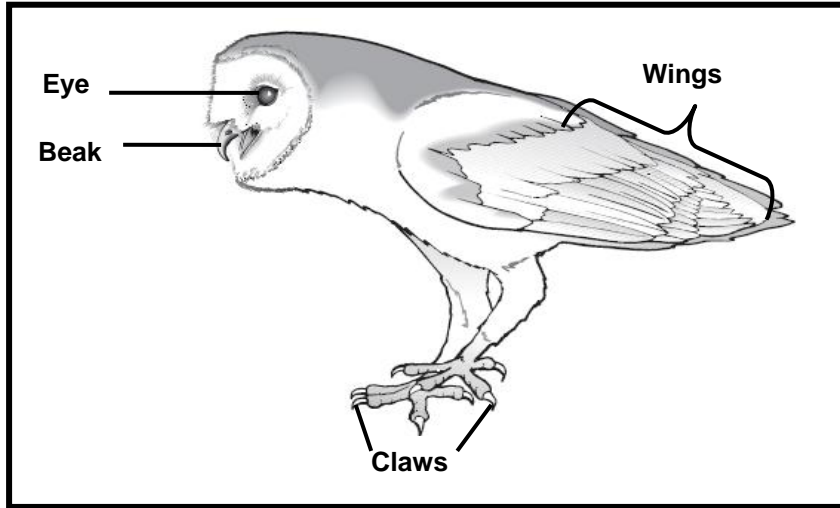
- 5.4 Farmers spray their trees with chemicals to kill insects.  
Suggest how chemicals sprayed on the trees get into the insects. (2)

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5.5 The diagram below shows a barn owl.  
Barn owls hunt for small animals such as mice.

Study the diagram and answer the questions that follow.



- (a) Give two ways shown on the diagram that makes the barn owl suited for catching small animals. (2)

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- (b) Barn owls build nests in farm buildings.  
Many old farm buildings have been knocked down so that houses can be built on the farmland.

Suggest one reason why this has caused the number of barn owls to decrease. (1)

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- (c) Suggest one reason why farmers like to have barn owls on their farms. (1)

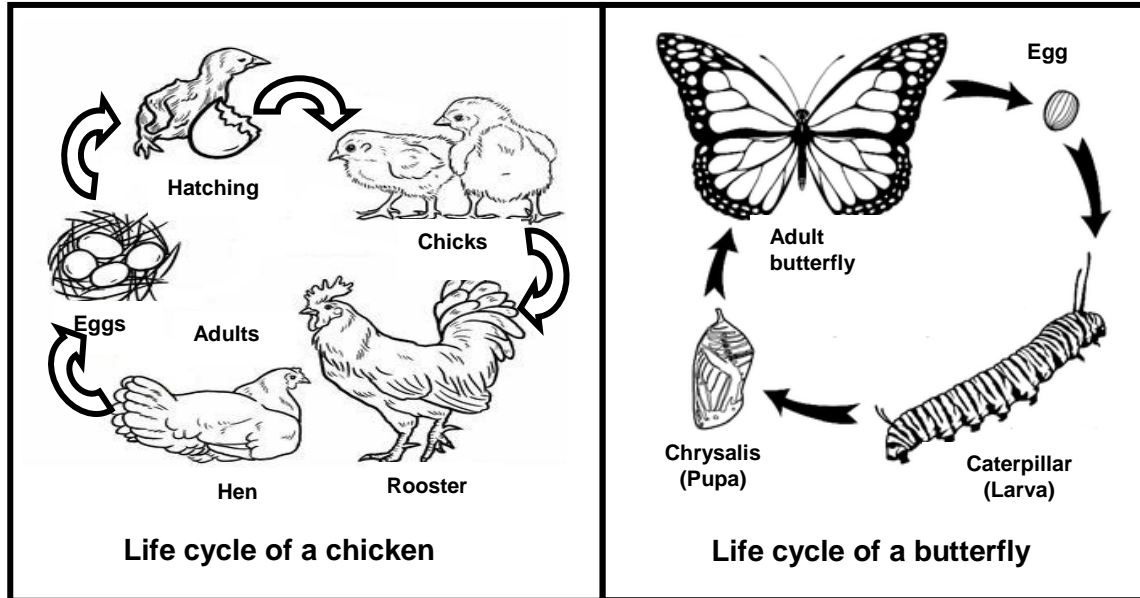
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(10)

**Question 6**

Study the life cycle of the chicken and the butterfly and answer the questions that follow.



6.1 (a) Identify and write down the vertebrate in the pictures. (1)

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(b) Give a reason for your answer. (1)

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6.2 Differentiate between the life cycle of the chicken and the butterfly. (2)

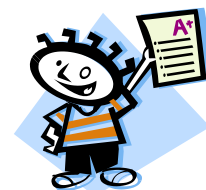
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(4)

**Total: 30 Marks**





**WCED NST**  
**Grade 5 Term 1 – March**

**MEMORANDUM**

**Question 1**

- 1.1 B ✓ (1)
- 1.2 C ✓ (1)
- 
- (2)**

**Question 2**

- 2.1 B ✓
- 2.2 D ✓
- 2.3 E ✓
- 2.4 A ✓
- 2.5 C ✓ (5)
- 

**Question 3**

- (a) Frame Structure ✓
- (b) Shell structure ✓
- (c) Shell structure ✓
- (d) Frame Structure ✓ (4)
- 

**Question 4**

- 4.1
- (a) Clavicle / collarbone ✓
- (b) Femur ✓
- (c) Pelvis / hip bone ✓ (3)
- 4.2 The skull: Protects ✓ the brain ✓ / eyes / middle and inner ear (2)
- 
- (5)**

**Question 5**

- 5.1
- (a) Caterpillar
- (b) Blackbird
- (c) Owl ✓ (Note: The living thing must be in correct order for 1 mark) (1)
- 5.2 It makes food ✓ by photosynthesis ✓ (2)
- 5.3 Caterpillar ✓ (1)
- 5.4 Insects eat ✓ leaves of trees ✓ (2)
- 5.5
- (a) large or sharp claws or nails ✓
- large or strong or sharp beak ✓
- large eyes or eyes that face forward
- wings for hovering (Any two) (2)

- (b) Fewer places to lay eggs ✓  
 Fewer places to nest  
 They lay fewer eggs  
 Less food for owls  
 Owls can be frightened by traffic or people  
 Loss of habitat (Any one) (1)
- (c) They catch or kill mice ✓ (1)
- (10)**

**Question 6**

- 6.1
- (a) Chicks / hen / rooster (Any one) ✓ (1)
- (b) Has a backbone ✓ (1)
- 6.2
- Chicken goes through three stages ✓ in life cycle and butterfly has four stages ✓  
**OR**  
 Butterfly goes through metamorphosis ✓ and the chicken does not ✓ (2)
- (4)**

**TOTAL 30**

**MARK WEIGHTING FOR GRADE 5 TERM 1 TEST**

	Topics	Cognitive levels			Teaching time in weeks	Suggested mark allocation	Time
		Low 50%	Middle 35%	High 15%			
<b>TERM 1 Life &amp; Living &amp; Structures</b>	Plants and animals on earth	3	2	2	2.5	<b>18</b>	<b>60 minutes</b>
	Animals skeleton	4	2		1.5		
	Skeletons as structures	1	4		2.5		
	Food chains	2	3	2	1.5	<b>12</b>	
	Life cycles	2	3		2		
	<b>10 weeks</b>						
	<b>TOTAL</b>	<b>12 Marks</b>	<b>14 Marks</b>	<b>4 Marks</b>	<b>10</b>	<b>30 Marks</b>	