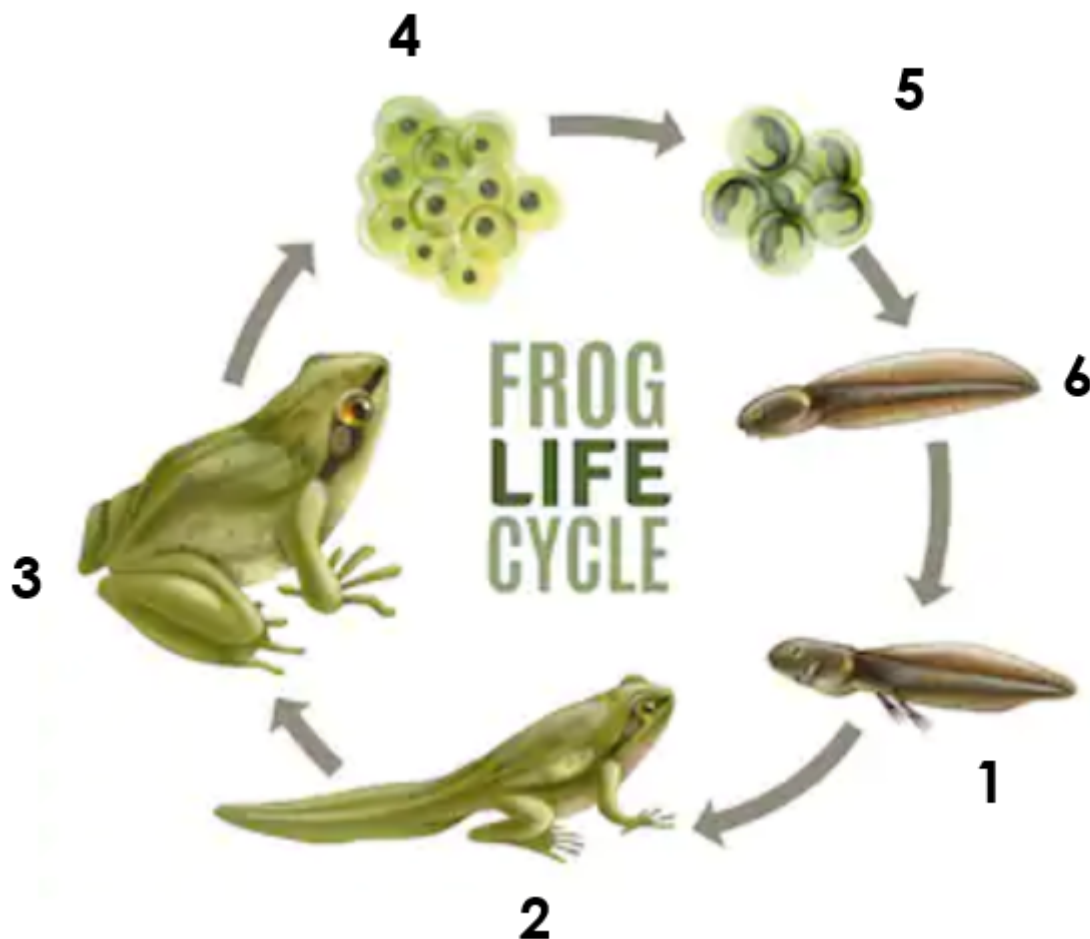




Subject: Grade 5 Natural Sciences
Topic: Natural Sciences: Term 1 - Mini-exam
Total: 65 Marks

Name: _____
Date: _____

This image refers to question: 1



Question 1: Please Fill In The Blanks

4 marks

Study the diagram of **The Life Cycle of a Frog** carefully.

Number (1) is where external fertilisation has already taken place. After two weeks, (2) hatches from the fertilised egg.

Possible Answers: 1 | 2 | 3 | 4 | 5 | 6 | an eel | a tadpole | a froglet

1	
----------	--

2	
----------	--



Question 2: Multiple Choice

4 marks

Decomposers change ... plants and animals into important nutrients that make soil more fertile.

- | | |
|----------|-----------|
| A | green |
| B | all |
| C | dead |
| D | flowering |
-

Question 3: Please Fill In The Blanks

4 marks

Muscles are attached to bones by (1) and bones are connected to each other by (2) .

Possible Answers: nerves | tendons | blood vessels | ligaments

1		2	
----------	--	----------	--

Question 4: Text Input

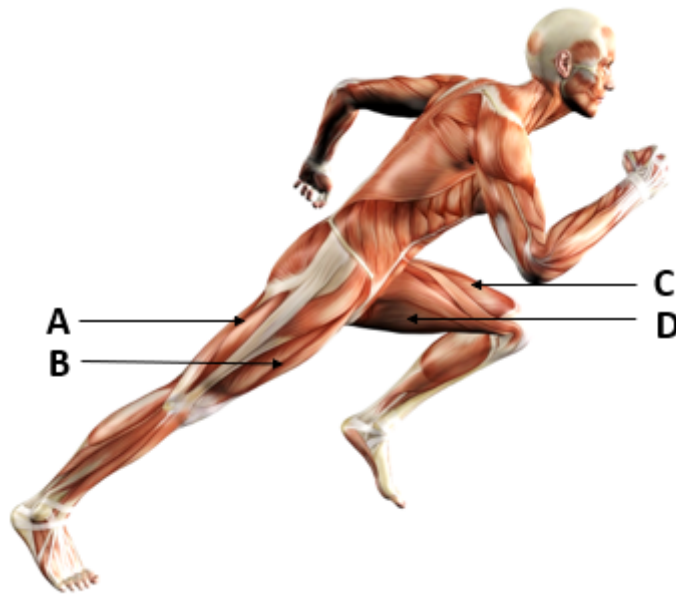
3 marks

The exoskeleton is made of ..., which are joined together to make a hard shell.

Provide **only one word**.

--

This image refers to question: 5, 6



Question 5: Multiple Choice

4 marks

Study the diagram carefully.

During a 100 m sprint, the following photo was taken of the runner and then edited to show his muscles. Which muscles will be tightened in this position?

- | | |
|----------|---------|
| A | A and B |
| B | C and D |
| C | A and C |
| D | B and D |

Question 6: True/False

2 marks

There are only two joints involved in running, namely the ankle joint and the hip joint.

TRUE

FALSE

This image refers to question: 7

Animal life cycles

The hen and rooster mate. The rooster puts sperm inside the hen. When the sperm cell joins with an egg cell inside the hen's body, fertilisation takes place. After twenty-four hours, the hen can lay eggs. The embryo inside an egg grows into a chick in twenty-one days. The hen keeps her eggs warm and the hard egg shell protects the developing chick.

The baby bird will use an egg tooth on its beak to hatch out of the egg. This can take a whole day! Chicks can walk immediately. They like to eat seeds, bugs and worms. After about four weeks, the chicks grow more feathers.

Chicks are fully grown within six months.

Female chicks grow up to be hens. Male chicks grow up to be roosters. The cycle of life will then continue.

Question 7: Text Input

3 marks

How long does it take for a chick to become a fully grown chicken?

Give only **two words** as your answer.

Question 8: True/False

2 marks

The female lays her eggs in the water. The male spreads his sperm over the eggs. This is called **internal fertilisation** because it occurs **in the water**.

TRUE

FALSE

Question 9: Text Input

3 marks

Fish fertilise their eggs ... the mother's body. This is called external fertilisation.

Question 10: Multiple Choice

4 marks

The sentences below describe the **stages in the life cycle of a cat**. They are in the wrong order.

Rearrange them in the right order according to the number next to it.

1. The kittens grow until they are mature.
2. The female cat is pregnant for 65 days.
3. The female cat feeds her kittens with milk.
4. The male and female cats mate and fertilisation takes place inside the female's body.
5. The mature cat can reproduce, and the cycle starts again.
6. The female cat gives birth to her kittens.

A	4; 2; 6; 3; 1; 5
B	5; 4; 2; 6; 3; 1
C	4; 6; 3; 1; 5; 2
D	4; 5; 1; 2; 6; 3

This image refers to question: 11



Question 11: Please Fill In The Blanks

4 marks

Study the picture carefully.

The crocodile is classified as a/n (1) . All of these are vertebrates. What all vertebrates have in common is that (2) .

Possible Answers: amphibian | reptile | they all have legs | they all have a hard internal skeleton or backbone

1	
----------	--

2	
----------	--

Question 12: Text Input

3 marks

Type only two words to complete this sentence:

The is a thick bundle of nerves that connects the brain to the body.

--

Question 13: Please Fill In The Blanks

6 marks

A spider has an exoskeleton that (1) grow. This means the spider needs to (2) , which is the process whereby the (3) is replaced by a new one.

Possible Answers: can | cannot | moult | metamorphise | endoskeleton | exoskeleton

1	
3	

2	
----------	--

Question 14: Multiple Choice

4 marks

Which of the following best describes a chameleon?

- | | |
|----------|--|
| A | It is an invertebrate that can change its colour. |
| B | It is a vertebrate that moults twice a year. |
| C | It is a reptile with a skeleton. |
| D | It is an amphibian with an endoskeleton made of bones and cartilage. |

Question 15: True/False

2 marks

The shoulder blades form part of the shoulder girdle.

TRUE	FALSE
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Question 16: Please Fill In The Blanks

4 marks

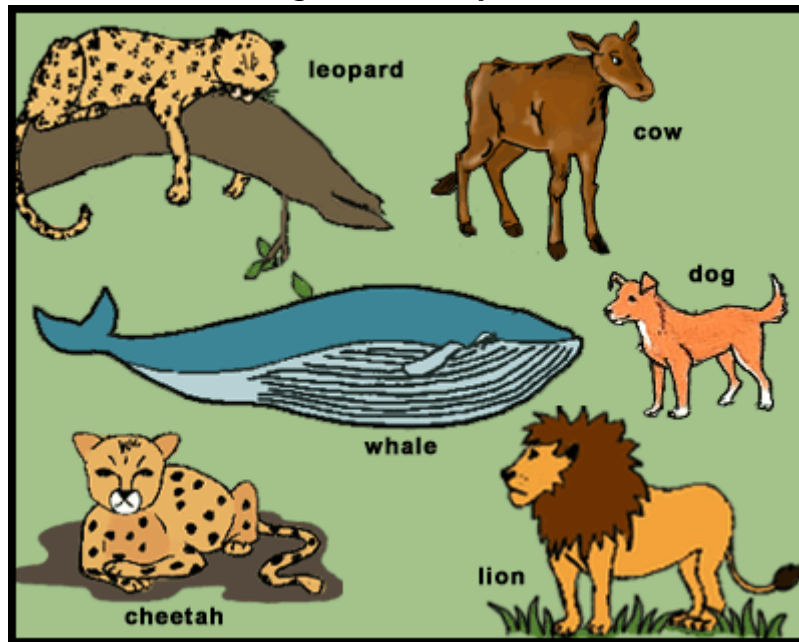
Birds lay their eggs in nests. They sit on their eggs to keep them (1) until the young are ready to (2) .

Possible Answers: round | hatch | warm | fly

1	
----------	--

2	
----------	--

This image refers to question: 17



Question 17: True/False

2 marks

All mammals are predators.

TRUE

FALSE

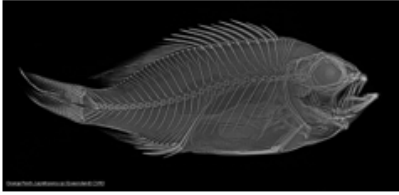
Question 18: Text Input

3 marks

What is the place called where two bones meet?

Use only **one word** to answer the question.

This image refers to question: 19

A - FISH	B - FROG	C - CAT
		
D - SNAKE	E - KANGAROO	
		

Question 19: Multiple Choice

4 marks

Study the table carefully.

Which of the following animals have limbs?

- | | |
|----------|------------|
| A | A, C and E |
| B | B, C and D |
| C | B, C and E |
| D | A, D and E |

Total: 65 Marks