

Worksheet: Siva needs your help

Foundation Phase

Grade 1 - 3

Learning area: Natural Science

Specific Aim 2: Investigating phenomena in natural sciences



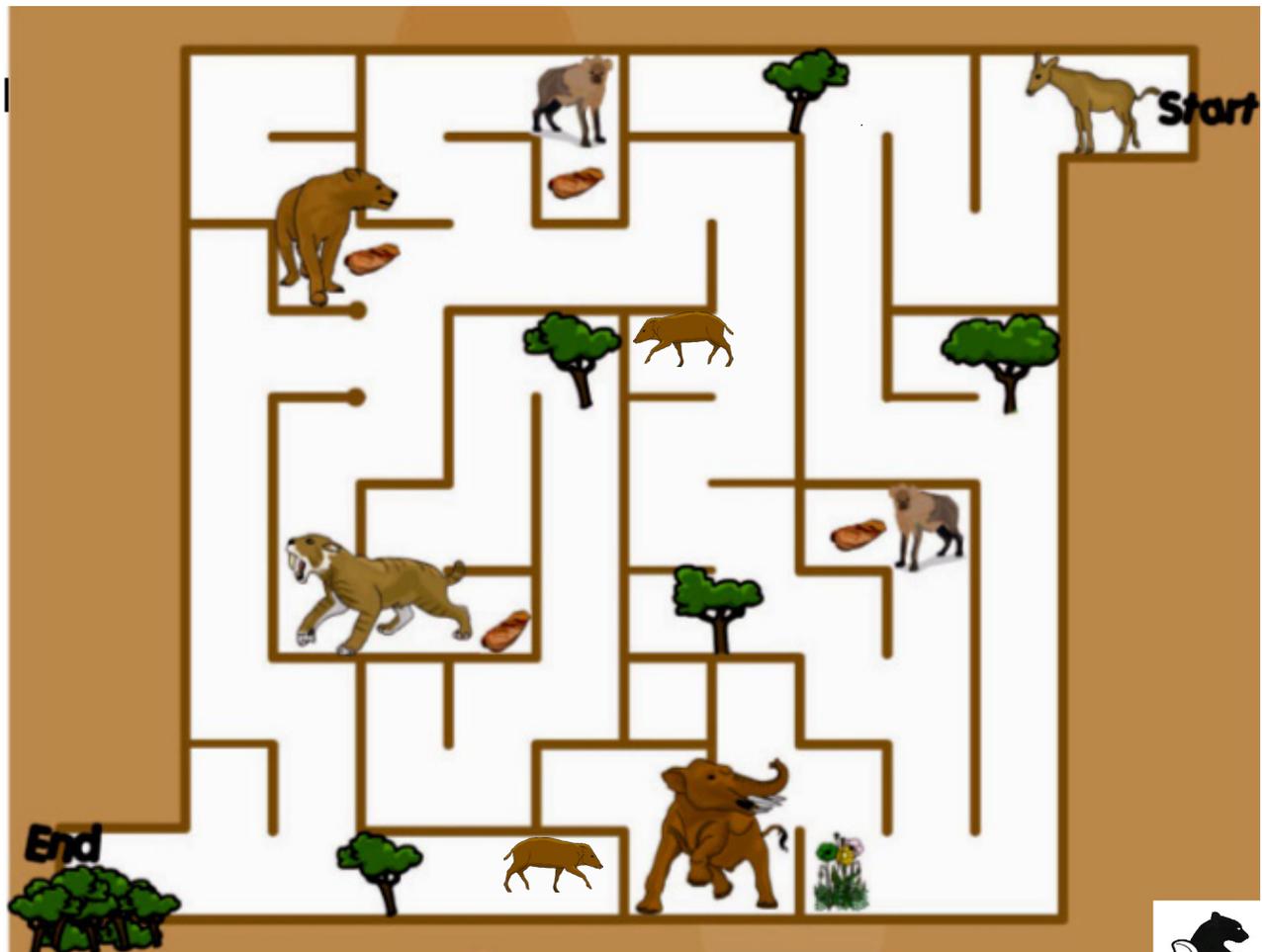
Activity Sheet



Activity 1: Help Siva find his way

Siva is a short-necked, large-horned giraffe that lived in the woodlands in the Laangebaan area of the Western Cape five millions years ago. Siva's proper name is 'sivathere'. Sivatheres used to eat grass and leaves from the trees and bushes.

Siva needs to feed. Help Siva find his way through the maze in order to reach the cluster of trees. Beware of some of the animals found along the path and make sure Siva avoids the dangerous ones.



Questions

1. What animals did Siva pass while he was looking for food?
2. What type of environment did they live in?
3. Does the environment look the same today?



Activity 2: What type of feeders are we?

Animals are grouped according to what they eat. Meat eaters are called carnivores. Plant eaters are known as herbivores. Animals who eat plants and meat are called omnivores.

What type of feeder are the following animals? Circle the correct answer.

The sivathere is a herbivore/ carnivore.

The hyena is a herbivore/ carnivore.

The gomphothere is a herbivore/ carnivore.

The sabre-tooth cat is a herbivore/ carnivore.

The bear is a herbivore/ carnivore/omnivore.



Activity 3: Make an extinct animal mobile

Materials

- Picture sheet
- Green and red cardboard
- Glue
- Three straws
- Needle and thread
- Five paper clips

Steps

1. Colour in the pictures of the animals.
2. Cut out the animal pictures and names on the sheet.
3. Paste the carnivores on the red cardboard.
4. Paste the herbivores on the green cardboard.
5. When the glue is dry, bubble cut the animals so that they are framed by the coloured card.
6. Paste the name of the different animals on the back of the picture.
7. Using the paper-clips, attach the name 'carnivore' or 'herbivore' to the bottom of each picture.
8. Using the needle and thread, attach the animals to the straws.



Teacher notes

Activity 1: Help Siva find his way

Before you start the activity, to refresh learner's memories, discuss what animals lived five millions of years ago at Langebaanweg on the west coast (Note that 'Langebaanweg' is the name of the actual fossil site).

Answers to questions

1. Hyena, Sabre toothed cat, gomphothere, African bear
2. Tropical forest, lush woodlands and grass lands
3. No, there are no forests left today.

Activity 2: What type of feeders are we?

The sivathere is a herbivore.

The hyena is a carnivore.

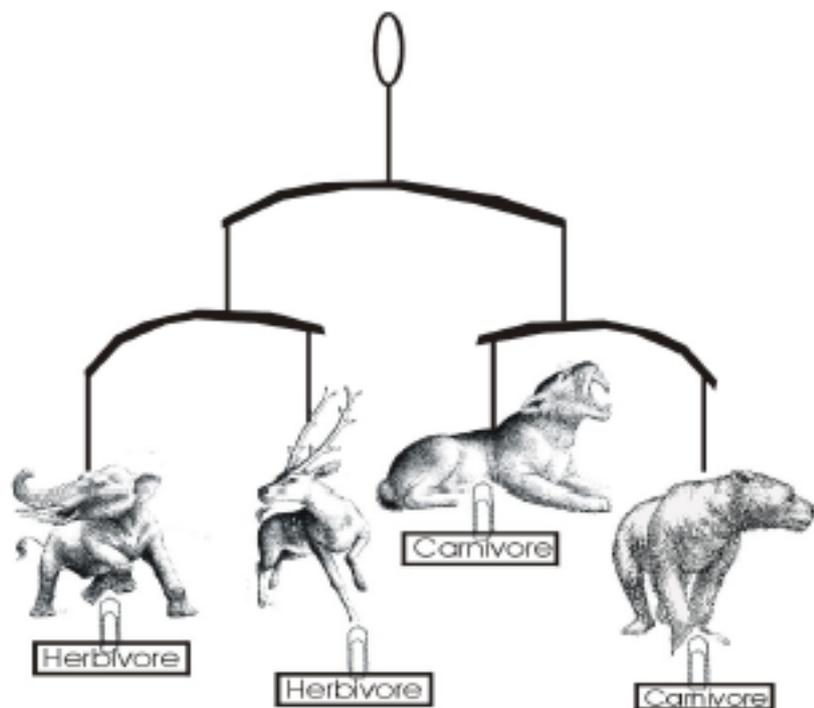
The gomphothere is a herbivore.

The saber-tooth cat is a carnivore.

The bear is a carnivore.

Activity 3: Make an extinct animal mobile

Use the following diagram as a guide to assist learners.



The following rubric can be used to assess the mobile

ASSESSMENT CRITERIA	PERFORMANCE INDICATOR'S LEVELS		
	☹	☺	☺ ☺
Standard / quality	Mobile incomplete	Mobile complete	
	Poor quality/and little effort	Satisfactory, but room for improvement	Of a high standard
Public appeal	Not eye-catching	Room for improvement	Eye-catching
Use of colour	Dull with little contrast	Only addresses one of the aspects	Creative and effective use of colour and contrast
Scientific correctness * refer to note below rubric	Type of feeder not present	Present but incorrect	All feeders correctly placed
Personal information	None	Name present	
Neatness	Untidy	Neat but could do better	Excellent
Animals present and labelled accurately			
Sivathere	Not Present	Present but not labelled	Present & labelled
Sabre tooth cat	Not Present	Present but not labelled	Present & labelled
Hyena	Not Present	Present but not labelled	Present & labelled
Gomphothere	Not Present	Present but not labelled	Present & labelled
African bear	Not Present	Present but not labelled	Present & labelled
TOTAL = 20 MARKS			



