

Assessment Task: Environmental study

Signs of the wild

For this assessment, your teacher will take you to an area which you will have to study. It may be in the veld or in a park.

- 1. Choose an area which you personally are going to study which is about 10 m x 10 m (10 paces by 10 paces).
 - Imagine that you are a bird looking down on your study area.
 - Draw what you see. (Use a scale of roughly 1 m = 1 cm, sketch in dominant plant growth, old logs, living and non-living features.)
- 2. Describe your area in words.
- 3. Before you walk all over your area, see if you can find evidence of animal tracks/spoor and describe the tracks you observed. Use a key and show where they were found on the area map you drew in Question 1.
- 4. Collect four different types of grass and paste them in. Use a key and show where they were found on your area map.
- 5. Collect leaves from four different species of trees/shrubs and paste them in. Use a key and show where they were found on your area map.
- 6. Collect leaves from four different species of small plants and paste them in. Use a key and show where they were found on your area map.
- 7. Collect any droppings or animal remains found in your area and paste them in. Use a key and show where they were found on your area map.
- 8. Make a record of any animals you find in your area (insects, worms, etc.). Remember that if you find evidence that these animals have been present, record this too. Use a key and show where they were found on your area map.
- 9. From the evidence collected, you will realise that certain animals are living in your area while others have passed through. Why do you think these animals are/have been in your area?



- 10. Look carefully at the plants in your area. Do any show signs of having been used by animals for food/shelter, etc? Record this evidence. Use a key and show where they were found on your area map.
- 11. Has the soil/rocks/water (any non-living matter) been used by animals? Record this evidence. Use a key and show where they were found on your area map.
- 12. Choose one of the animals you found a sign of in your area. What role do you think this organism plays in the veld? Draw a food web featuring this animal, and, if possible, other organisms you found evidence of in your area.

[48 marks]

The following rubric will be used to assess your practical assignment:



Rubric to assess practical assignment on signs of the wild

Criteria	Level 4: 4 marks	Level 3: 3 marks	Level 2: 2 marks	Level 1: 1 mark
Question 1	Map drawn	Map drawn well	Map drawn	Map drawn
	neatly and	and mostly to	satisfactorily	unsatisfactorily,
	accurately, to	scale, most	although not	not to scale, few
	scale, all features	features	always to scale,	features
	displayed.	displayed.	some features	displayed.
			displayed.	
Question 2	Written	Written	Written	Written
	description is	description is	description is	description is
	appropriate and	good, mostly	fair, fairly well	poor, lack of well
	accurate, well	well	constructed	constructed
	constructed	constructed	sentences.	sentences.
	sentences.	sentences.		
Question 3	Evidence of	Evidence of	Some evidence	Little evidence of
	tracks/spoor well	tracks/spoor is	of tracks/spoor	tracks/spoor
	documented on	documented on	fairly well	documented on
	map, key is	map, key is	documented on	map, key is not
	effectively used.	used.	map, key is	well used.
			fairly well used.	
Question 4	Four examples	Three examples	Two examples	One example
	collected, pasted	collected,	collected,	collected, pasted
	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
	effectively used.	used.	fairly well used.	used.
Question 5	Four examples	Three examples	Two examples	One example
	collected, pasted	collected,	collected,	collected, pasted
	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
	effectively used.	used.	fairly well used.	used.
Question 6	Four examples	Three examples	Two examples	One example
	collected, pasted	collected,	collected,	collected, pasted
	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
	effectively used.	used.	fairly well used.	used.
Question 7	Four examples	Three examples	Two examples	One example
	collected, pasted	collected,	collected,	collected, pasted
	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
a .: a	effectively used.	used.	fairly well used.	used.
Question 8	Four examples	Three examples	Two examples	One example
	collected, pasted	collected,	collected,	collected, pasted
	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
<u> </u>	effectively used.	used.	fairly well used.	used.
Question 9	Comprehensive	Good	Satisfactory	Poor explanation
	and well	explanation of	explanation of	of why animals



	articulated	why animals	why animals	have been in
	explanation of	have been in	have been in	area.
	why animals	area.	area.	
	have been in			
	area.			
Question 10	Evidence of plant	Evidence of	Evidence of	Evidence of plant
	usage by animals	plant usage by	plant usage by	usage by animals
	is well	animals is fairly	animals is	is poorly
	documented	well	satisfactorily	documented
	with appropriate	documented	documented	with few
	comments.	with some	with some	comments.
		appropriate	comments.	
		comments.		
Question 11	Evidence of non-	Evidence of	Evidence of	Evidence of non-
	living aspects is	non-living	non-living	living aspects is
	well	aspects is fairly	aspects is	not well
	documented	well	satisfactorily	documented
	with appropriate	documented	documented	with few
	comments, key	with comments,	with some	comments, key
	well used.	key fairly well	comments, key	poorly used.
		used.	satisfactorily	
			used.	
Question 12	Comprehensive	Good	Fair description	Poor description
	description of	description of	of role played	of role played by
	role played by	role played by	by organism,	organism, food
	organism, food	organism, food	food web is	web is not
	web is accurate	web is fairly	accurate in	accurate and
	and integrates	accurate and	some areas and	there is poor
	other organisms	integrates some	integrates a few	integration of
	in the area.	other organisms	other organisms	other organisms
		in the area.	in the area.	in the area.



Suggested Solutions

Question number	Possible marks	Solution
1-12	48	See rubric in Appendix of Assessment Tools.

Appendix of Assessment Tools

Rubric to assess practical assignment on signs of the wild

Criteria	Level 4: 4 marks	Level 3: 3 marks	Level 2: 2 marks	Level 1: 1 mark
Question 1	Map drawn	Map drawn well	Map drawn	Map drawn
	neatly and	and mostly to	satisfactorily	unsatisfactorily,
	accurately, to	scale, most	although not	not to scale, few
	scale, all features	features	always to scale,	features
	displayed.	displayed.	some features	displayed.
			displayed.	
Question 2	Written	Written	Written	Written
	description is	description is	description is	description is
	appropriate and	good, mostly	fair, fairly well	poor, lack of well
	accurate, well	well	constructed	constructed
	constructed	constructed	sentences.	sentences.
	sentences.	sentences.		
Question 3	Evidence of	Evidence of	Some evidence	Little evidence of
	tracks/spoor well	tracks/spoor is	of tracks/spoor	tracks/spoor
	documented on	documented on	fairly well	documented on
	map, key is	map, key is	documented on	map, key is not
	effectively used.	used.	map, key is	well used.
			fairly well used.	
Question 4	Four examples	Three examples	Two examples	One example
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	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
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Question 5	Four examples	Three examples	Two examples	One example
	collected, pasted	collected,	collected,	collected, pasted
	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
	effectively used.	used.	fairly well used.	used.
Question 6	Four examples	Three examples	Two examples	One example
	collected, pasted	collected,	collected,	collected, pasted
	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
	effectively used.	used.	fairly well used.	used.
Question 7	Four examples	Three examples	Two examples	One example
	collected, pasted	collected,	collected,	collected, pasted



	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
	effectively used.	used.	fairly well used.	used.
Question 8	Four examples	Three examples	Two examples	One example
	collected, pasted	collected,	collected,	collected, pasted
	in neatly, key is	pasted in, key is	pasted in, key is	in, key is not well
	effectively used.	used.	fairly well used.	used.
Question 9	Comprehensive	Good	Satisfactory	Poor explanation
	and well	explanation of	explanation of	of why animals
	articulated	why animals	why animals	have been in
	explanation of	have been in	have been in	area.
	why animals	area.	area.	
	have been in	arca.	arca.	
Question 10	area. Evidence of plant	Evidence of	Evidence of	Evidence of plant
Question 10	usage by animals	plant usage by	plant usage by	usage by animals
	is well		animals is	
		animals is fairly		is poorly
	documented	well	satisfactorily	documented
	with appropriate	documented	documented	with few
	comments.	with some	with some	comments.
		appropriate	comments.	
		comments.		
Question 11	Evidence of non-	Evidence of	Evidence of	Evidence of non-
	living aspects is	non-living	non-living	living aspects is
	well	aspects is fairly	aspects is	not well
	documented	well	satisfactorily	documented
	with appropriate	documented	documented	with few
	comments, key	with comments,	with some	comments, key
	well used.	key fairly well	comments, key	poorly used.
		used.	satisfactorily	
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Question 12	Comprehensive	Good	Fair description	Poor description
	description of	description of	of role played	of role played by
	role played by	role played by	by organism,	organism, food
	organism, food	organism, food	food web is	web is not
	web is accurate	web is fairly	accurate in	accurate and
	and integrates	accurate and	some areas and	there is poor
	other organisms	integrates some	integrates a few	integration of
	in the area.	other organisms	other organisms	other organisms
	in the area.	in the area.	in the area.	in the area.
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