

Terminology from Grade 4 CAPS and Workbooks

Natural Sciences and Technology

NB: In all instances, the English entries should be understood to assume their verb form meanings, and thus translates as such to other languages.

No.	English	IsiNdebele
1.	absorb	-munya, -dosa, -ginya
2.	absorbent	-munyako, -dosako, -ginyako
3.	acasia	i-akhatjhiya
4.	access	-finyelela
5.	adapt	-jayela
6.	aim	umnqopho
7.	air	umoya
8.	air pollution	ukusilaphazeka komoya
9.	amphibian	isirhwarhwa, isirhwerhwe
10.	animal	isilwana
11.	ant	utjhontjhwani
12.	apparatus	iinsetjenziswa
13.	aquarium	i-akhwariyamu
14.	arm	umkhono

15.	asparagus	i-asparagasi
16.	assemble	-buthelela, -hlanganisa
17.	attract	-dosa
18.	autumn	isiruthwana
19.	baboon	ifene
20.	baby	umntwana
21.	backbone	umgogodlha
22.	bar	ibha
23.	basil	ibhezili
24.	bat	umaphelaphelani
25.	beak	umlomo wenyoni
26.	beam (structure)	umsebe
27.	bean	ibhontjisi
28.	bear	ibhere
29.	beaver	ibhiva
30.	bee	inyosi
31.	bend	-goba
32.	bilharzia	indeni ebomvu
33.	bird	inyoni
34.	blackjack	umonyani

35.	blood	iingazi
36.	blood vessel	umthambo weengazi
37.	blow	-vuthela
38.	blue crane	ibhlukhreyini umrhululu
39.	body	umzimba
40.	boil (verb)	-bila
41.	bolt	ibhowudi
42.	bone	ithambo
43.	borehole	ipetsi ibhoholi
44.	boulder	ilitje elikhulu
45.	brace (noun)	isihlanganisi isibambanisi
46.	branch	ipande
47.	breath	umphefumulo
48.	breathe	-phefumula
49.	bridge	ibhlorho
50.	brood	-fukamela
51.	brown	-nzotho

52.	bud	iqumbe
53.	buffalo	ubhejani
54.	build	-akha
55.	building	umakhiwo
56.	bull	ikunzi
57.	bullfrog	idlhamedlhu
58.	burn	-tjhisa
59.	burrow	umgodi wesilwana
60.	bush	isikghwa ummango
61.	butterfly	iviyaviyani
62.	buzzard	ibhazadi
63.	cage	ikheyiji
64.	calf	ikonyana
65.	camel	ikamela
66.	camouflage	ukutjhugulula umbala
67.	carbon dioxide	ikhabonidayoksayidi
68.	carrot	umhlaza
69.	cartilage	umrwamurwamu
70.	cat	ukatsu

71.	caterpillar	isibunguviyaviyani
72.	cave	irholo
73.	centimetre	isenthimitha
74.	centipede	isirharhabimilenzenengi
75.	chain	iketani
76.	chameleon	inwabu
77.	characteristic	isimilo
78.	cheetah	ingwesiduli
79.	chemical	ikhemikhali
80.	chest	isifuba
81.	chimpanzee	itjhimphanzi
82.	circular	-sasiyingilizi -sandulungu
83.	clamp (noun)	itlempe
84.	classify	-hlukanisa ngokweengaba -tlasa
85.	claw	izipho
86.	clay	umdaka
87.	cliff	iliwa
88.	climate	itlayimethi
89.	cloud	ilifu

90.	coal	ilahle
91.	colony	ikhholoni
92.	column	ikhholumu
93.	compare	-madanisa
94.	compost	ivundela, ivundiso
95.	compression	igandelelo
96.	condition	umbandela
97.	connector	isihlanganisi
98.	constraint	isiqinteliso/ isilinganiselo
99.	construct	-akha
100.	crane	ikhreyini/ umagugana
101.	cricket	uqoqomela
102.	crocodile	ingwenya
103.	cycle	isehlakalomzombe
104.	cylinder	isilinda
105.	design	umtamo
106.	develop	-khula
107.	diagram	umfanekiso
108.	diarrhoea	umphurhuzo/ irhudo
109.	difference	umehluko
110.	discover	-vumbulula, -fumana

111.	disease	ubulwele
112.	distance	ibanga
113.	distinguish	-hlukanisa
114.	domestic (animal)	isilwana sekhaya
115.	dormant	-ngasebenziko
116.	droplet	ithosana
117.	drought	isomiso
118.	drown	-minza
119.	ear	indlebe
120.	earthworm	umzoka
121.	edge	umqoqo
122.	elbow	indololwana
123.	ember	ilahle elibomvu
124.	endangered	-sengozini
125.	energy	amandla/umdladla
126.	environment	ibhoduluko
127.	equipment	isisetjenziswa
128.	estimate	-linganisa
129.	evaluate	-hlaziya
130.	evaporate	-rhwamuka

131.	excrete	-khupha -khipha
132.	experiment	ihlolomlingo isilingelelo
133.	eye	ilihlo
134.	farm	iplasi
135.	feather	isiba
136.	feed	-ondla
137.	fertilise	-nonisa, -vundisa
138.	fertiliser	isivundisi/ isinothisi
139.	fibre	ifayibha
140.	filter	umtlhodlho
141.	finger	umuno
142.	fish	ihlambi/ifesi
143.	flame	ilangabi
144.	flexible	-mtepetepe
145.	float (in liquid and in air)	-thaya
146.	flow	-tleleza
147.	flower	ithuthumbo
148.	fly	-phapha

149.	fold folding	-bhinca ukubhinca
150.	foot	inyawo
151.	forest	ihlathi
152.	fossil	ifosili
153.	fountain	umthombo
154.	frame	ifremu
155.	fruit	isithelo
156.	function	umsebenzi
157.	galjoen	igaljuni
158.	gas	irhasi
159.	germinate	-hluma -mila
160.	graph	igrafu
161	grow	-khula
162	gussets	amagusethi
163	habitat	indawo yokuhlala/ indawo yemvelo
164	hard	-qinileko
161.	hardness	ukuqina
162.	hatch	-phandlusela

163.	hawk	ukholo
164.	head	ihloko
165.	heart	ihliziyo
166.	heat (verb)	-tjhisa
167.	heavy	-budisi
168.	height	ukuphakama
169.	helium	ihiliyamu
170.	hexagon	ihekzagoni/uhlangothithandathu
171.	hibernate	-fukama sakubhaca
172.	hollow	igebhegebhe
173.	hoof	iqatha
174.	horizontal	-vundlileko
175.	horn	iphondo
176.	identify	-khomba
177.	illustrate	-tjengisa
178.	indigenous	-kwendabuko
179.	infection	ukutshwayeleka/ ukuthelelana
180.	insect	inunwana
181.	instrument	ithulusi
182.	invertebrate	isilwana esinganamgogodlha

183.	investigate	-phenya, -funisisa
184.	investigation	iphenyo
185.	invisible	-ngabonakaliko
186.	irrigate	-sezela, -nisela, -thelelela
187.	jaw	umhlathi
188.	kidney	iso
189.	knee	idolo
190.	label	-lebula
191.	lake	ichibi
192.	land	umhlaba
193.	leaf	ikari
194.	leather	isikhumba
195.	leg	umlenze
196.	length	ubude
197.	life	ipilo
198.	life cycle	izombelezopilo
199.	life process	ikambisopilo
200.	light	umkhanyo
201.	limb	isitho

202.	liquid	okusamanzi/ iketjezi
203.	live	-hlala
204.	living	-philako
205.	lung	iphaphu
206.	make	-enza
207.	malaria	umalalehlengezela/imalariya
208.	mammal	isilwana esimunyisako
209.	manufacture	-khiqiza
210.	manure	umsuqwa
211.	mass	ubudisi
212.	mate	umlingani
213.	material	imetheriyali
214.	matter	imetha
215.	measure	-meda
216.	melt	-ncibilika
217.	metal	imethali
218.	metre	imitha
219.	microscope	imayikhroskowupu
220.	mineral	isenjiwa/iminerali
221.	mist	ikungu

222.	mixture	umvango
223.	model	imodeli/ isifaniso/ umfuziselo
224.	modern	-simanjemanje
225.	moisture	ukuthamba
226.	molar	izinyo lomhlathi/imola
227.	mosquito	unompopoloza
228.	mould	isikghoro
229.	mouth	umlomo
230.	move	tjhida/ -khamba, -sikinyeka
231.	mucus	amathimila iinzengenzenge
232.	muscle	umsipha
233.	nature	imvelo
234.	neck	intamo
235.	nest	isihlakana
236.	non-living	-ngaphiliko
237.	non-metal	-ngasimethali
238.	nose	ipumulo
239.	nostril	itjhuba lepumulo
240.	nutrient	isakhamzimba/isikhulisi

241.	nutrition	ukudla
242.	object	into
243.	observe	-qala
244.	organ	isitho
245.	organism	okuphilako
246.	oxygen	i-oksijini
247.	pet	ifuyosithandwa
248.	pillar	isika
249.	plant	isitjalo
250.	plantation	isimu
251.	plough	-lima
252.	poison	itjhefu
253.	pollen	ipova
254.	pollution	ukusilaphazeka
255.	pond	idanyana
256.	precipitation	ukuna/umkhithiko
257.	predator	isidlanyama
258.	predict	-funisela
259.	prey	isibanjelwakudliwa
260.	process	indlelakambiso
261.	produce	-veza/-khupha, -khiqiza

262.	producer	isikhiqizi
263.	property	ukuziphatha kokuthileko/ubunjalo bokuthileko
264.	pulp	iphalphu
265.	pylon	iphayiloni
266.	raw	-hlaza
267.	record	-rekhoda
268.	recycle	-buyekeza
269.	reproduce	-zala
270.	reptile	isirhurhubi
271.	residue	iinsalela
272.	rigid	-qinileko
273.	ripe	-vuthiweko
274.	roof	umfulelo
275.	root	umrabhu
276.	rope	irobho
277.	saliva	amathe
278.	science	isayensi
279.	scientist	usosayensi
280.	seed	imbewu

281.	seedling	isitjadlwana
282.	sense	umuzwa
283.	serrated	-nomqoqo
284.	shell	iqephe
285.	shelter	isakhiwo
286.	shrubs	ihlatjhana/isithukghwana
287.	sieve	isefo
288.	similarity	ukufana
289.	skeleton	iphahla lamathambo
290.	sketch	umfanekiso
291.	skin	isikhumba
292.	skull	ikhakhayi
293.	sky	isibhakabhaka
294.	slimy	-samathimila, -sanzengenzenge
295.	smell	-nuka
296.	smoke	intuthu
297.	snow	umkhithiko/ igabhogo
298.	soak	-thambisa
299.	soft	-thambileko
300.	soil	ihlabathi

301.	solid	-qinileko
302.	sort	-hlukanisa
303.	source	umthombo
304.	sow (verb)	-tjala
305.	span	ubude
306.	specification	iinqophiso
307.	spine	umgogodlha
308.	stable	-nzinzileko
309.	state	ubujamo
310.	steam	umrhwamuko
311.	steel	isitili
312.	stem	isiqu
313.	stiff	-qinileko
314.	strength	amandla
315.	strengthen	-qinisa
316.	structure	isakhiwo
317.	strut	isika
318.	substance	into
319.	sun	ilanga
320.	sunlight	umkhanyo welanga

321.	support	-sekela, -thekgha
322.	survive	-phila
323.	system	irherho
324.	tail	umsila
325.	taste	-nambitha
326.	technology	itheknoloji
327.	temperature	izinga lokutjhisa
328.	tension	inghangheko
329.	tentacle	iphonjwana
330.	thermometer	ithemomitha
331.	tie	-bopha
332.	toe	izwani
333.	tongue	ilimu
334.	tooth	izinyo
335.	toughness	ukungatjhuguluki/ukuqina
336.	tower	umkomukomu
337.	traditional	-kwendabuko
338.	transport	-khambisa]
339.	triangulation	ukubunjwa kwakancantathu
340.	trunk	isiqu somuthi

341.	truss	ithrasi
342.	tuber	isikhwende idumbe
343.	tubing	amatjhubhu
344.	tubular	-satjhubhu
345.	urine	umjobo, umhlambuluko, umthondo
346.	vegetation	ihlathi
347.	vein	umthambo
348.	vertebrate	isilwana esinomgogodlha
349.	visible	-bonakalako
350.	visual	-bonakalako
351.	warmth	umfuthumela
352.	waste	icucu
353.	water cycle	umzombelezomanzi
354.	water vapour	umrhwamuko wamanzi
355.	waterproof	-ngangeni amanzi
356.	weather	ubujamo bezulu
357.	weed	ikhula/ubori
358.	weight	ubudisi
359.	wetland	isitete

360.	wind	umoya
361.	wing	iphiko
362.	wither	-tjhwaba
363.	yeast	isibilisi

Bibliography

Department of Arts and Culture (2013). MULTILINGUAL NATURAL SCIENCES & TECHNOLOGY TERM LIST for Grade 4 to 6. ENGLISH – AFRIKAANS – ISIZULU – ISIXHOSA – SISWATI – ISINDEBELE.

N. Mkize*, M.H. Villett† & M.P. Robertson (2003). IsiXhosa insect names from the Eastern Cape, South Africa. *Department of Zoology and Entomology, Rhodes University, Grahamstown, 6140 South Africa*. African Entomology 11(2): 261–276.