

## Kusiyanasiyana kwa mileme

Zomwe tiphunzira sabata ino:

- za mitundu ya mileme ndi mabanja awo
- komwe mileme imakhala
- mfundo zazikulu ndi zazing'ono zokhudza mileme
- zomwe mileme imadya

Phunziro  
2



Moni anzanga!

Ndizosangalatsa kukuwonaninso, mu Phunziro 2 muphunzira zambiri za mileme!! Ndikubetcha mukuganiza kuti mileme yonse ndi yofanana, ayi Hosé!

Ngati mutayang'anitsitsa, mudzaona kuti tili ndi mitundu yosiyanasiyana ya maonekedwe ndi makulidwe, mitundu ngakhalenso masitayilo a tsitsi! Timakhala m'malo osiyanasiyana ndipo aliyense ali ndi "ntchito" yapadera koma yosiyana yochita pothandiza chilengedwe.

Mukawona chizindikiro ichi:



mufunika thandizo kuchokera kwa munthu wamkulu.

Musaiwale, chizindikiro cha pensulo chimatanthauza kuti ndi nthawi yanu yoti muchitepo kanthu!

Taphatikiza mawu onse atsopano pamndandanda kumapeto ngati chikumbutso!



**Mudzafunika:**

- ✓ pensulo
- ✓ wolamulira
- ✓ kapena tepi
- ✓ muyeso mamba ena



## Nayi nkhani....

Mileme fe ndi amodzi mwa magulu azinyama omwe ali osiyanasiyana kwambiri m'gulu la zinyama.

Nazi zina mwa njira zimene timasiyana wina ndi mzake, ngakhale kuti tonsefe ndife mileme; ena a ife ndi ang'ono, ena AKULU AKULU ndipo ena alindi msikhu wapakati.

# 1 Zakudya

Mitundu yosiyanasiyana ya mileme imadya zakudya zosiyana, ndimadya tizilombo koma ndikudziwa mileme ina padziko lonse lapansi yomwe imadya:



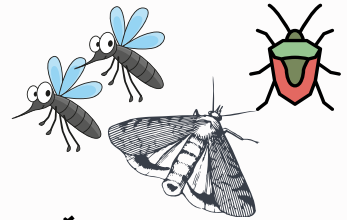
zipatso



achule



nsomba



mungu & timadzi tokoma m'maluwa



magazi

tokoma tizilombo

KODI MUMADZ IWA?

Ana a milime ndi ofanana ndi a anthu onse amayamba moyo wawo ndi kumwa mkaka monga chakudya chathu choyamba. Ifeyo (mileme ndi anthu) timazayamba kumakhala ndi mano ndikuyamba kudya zakudya zolimba kwambiri ndipo ndipamene zakudya zathu zimayamba kusiyana. Ndipamenenso zakudya za mileme zimasintha.



Akashinga alipayu, amadziwikanso kuti Aidoloni Wamkulu! Akashinga ndi mleme wokudya zipatso wa mtundu ngati udzu ndipo amadya ... zipatso (dzina lake likudziwikiratu), maluwa ndi mungu! Ineyo ndimawona kuti tizilombo timakoma kwambiri, taganizirani kudya zipatso!

## 2

# Kodi mileme imakhala kuti?

Zinthu zimene zimatipangitsa kukhala osiyana ndi ena zomwe zimatipangitsa kukhala opambana, ndikutanthauza kuti mileme yakwanitsa kufalikira ndikukhala pafupifupi padziko lonse lapansi chifukwa anakwanitsa kuzolowera kukhala m'malo osiyanasiyana ndi kudya zinthu zosiyanasiyana.

KODI  
MUMADZ  
IWA?

Mileme imapezeka pafupifupi makontinenti onse - kuli mileme ku Africa, Asia, Europe, North ndi South America, Australisia komanso ku Arctic (ku North pole!).

Mtundu wina wa mileme wotchedwa Northern bat wapezeka kumpoto kwenikweni, kupitirira Arctic Circle!

Pali kontinenti imodzi yokha yomwe mileme sinapezekepo - ndipo ili ku Antarctica (kum'mwera kwa dziko lapansi). Choncho malinga ndi zimene tikudziwa, palibe mileme yomwe imacheza ndi ma pingwini ndi ma silu kumusi uko!

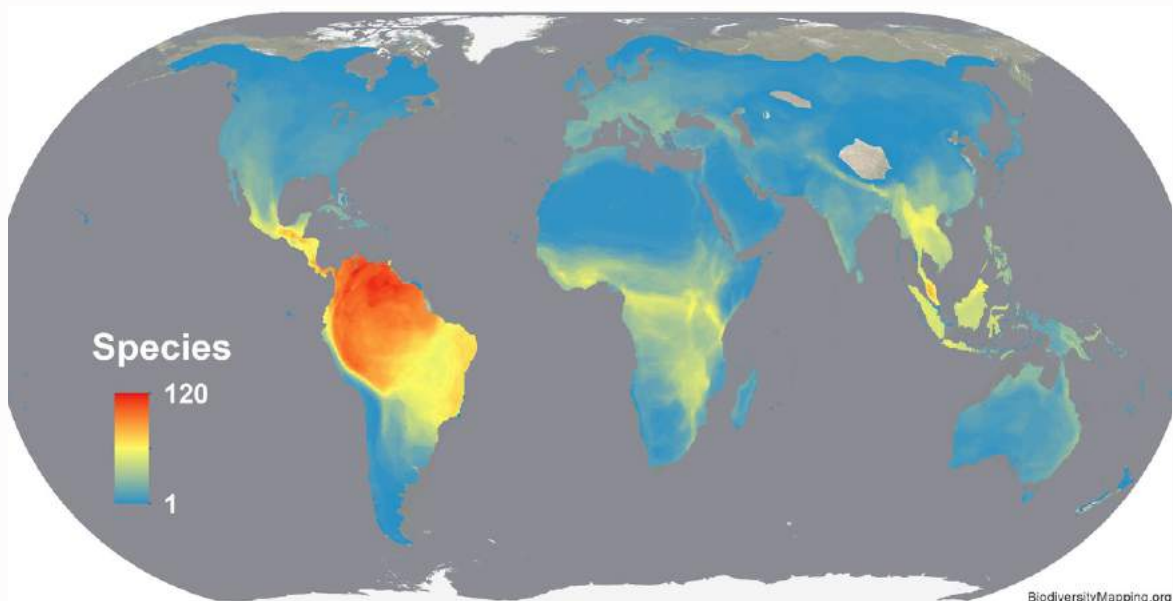


Kwa inu!



Mutha kuwona pamapu omwe ali pansipa komwe mileme imakhala komanso malo omwe ali ndi mitundu yosiyanasiyana ya mileme. Mtundu wofiira ukutanthauza kuti mitundu yambiri ya mileme buluu ukutanthauza yochepa ndipo woyera ikutanthauza kuti palibe.

Kodi mulii pati pamapu? Mileme ndiyochuluka bwanji kumeneko?



Timakhala m'malo osiyanasiyana monga m'phanga, mitengo, nyumba, mileme ina mpaka imakhala m'machulu a chiswe. Ndikuganiza kuti zili ngati anthu, ena amakhala m'nyumba, ena m'mahema kapena m'maphanga ndipo ena m'mipanda.



Ndikudziwa kuti inu anthu mumakonda kusanja zinthu m'magulu, ana nthawi zina amasanja zoseweretsa zawo m'mabokosi osiyanasiyana, oyang'anira mulaibulale amaika mitundu yosiyanasiyana ya mabuku pamashelefu osiyanasiyana, ndipo asayansi amasanja zamoyo m'magulu monga magulu a zomera, magulu a nyama, nyama zaubweya, nyama za mamba, ndi zina zotero. Asayansi ndiye amapatsa magulu awa mayina asayansi monga dongosolo, banja, mtundu, mitundu. Ena mwa maguluwa amenewa ndi aakulu kwambiri ndipo ena ndi aang'ono kwambiri.

Kusankha magulu a zomera ndi zinyama m'magulu osiyana kumatchedwa kusanja. mayina, mayina, mayina!

Mitundu ya zamoyo ndiyo njira yatsatanetsatane yosanja zinthu zamoyo. M'zinthu zamoyo, mtundu wa zamoyo ndi gulu la zamoyo zofanana zomwe zimatha kuberekana. Choncho anthu ndi mtundu wa zamoyo umodzi!

Pamene mulemba dzina la mtundu wa zamoyo muyenera kulilemba mopendekera kapena pansipamzere mawuwo, chifukwa chiyani? Umu ndi momwe asayansi amachitira zinthu.

Inu mukundidziwa ine ngati Spike, ndilo dzina langa la "laumwini" momwe mungatchulidwe "Nelson" kapena "Tiwonge". Mnzanga pano amatchedwa Akashinga (wolimba mtima).

**Moni, ndine Akashinga (kapena Ayidoloni)!**

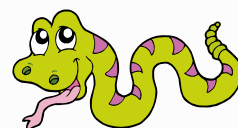
Mileme ina yonse yomwe ili ngati ine (i.e. mtundu womwewo) ili ndi dzina lodziwika, anthu amatitcha "mileme ya zipatso zamtundu wa udzu".

Tiliso ndi dzina lasayansi: "Eidolon helvum".

Mumatchula kuti Ay-da-lon hel-vum. Anthu onse ali ndi dzina lasayansi lakuti Homo sapiens, lomwe limamasuliridwa kuti "munthu wanzeru" kapena "anthu anzeru".



Kukhala ndi dzina lodziwika NDI dzina lasayansi kumatha kuwoneka mochulukira koma ndikofunikira kukhala ndi dzina lasayansi. Zimathandiza kudziwa zenizeni za nyama, chomera kapena mtundu wa mileme yomwe mukunena.



Ndikupatsani chitsanzo, pali mitundu yambiri ya mileme m'mayiko osiyanasiyana omwe onse ali ndi makutu aatali. Anthu amawayang'ana ndikuwaganizila kuti "makutu ako ndi aatali ndikutcha kuti "mleme wamakutu aatali", ndi dzina labwino kwambiri kwa iwe. Koma mileme ya khutu lalitali ya ku Africa ndi yosiyana ndi mileme ya khutu lalitali ya ku Australia, yomwe ndi yosiyana ndi mileme ya khutu lalitali ya ku America.

Apa ndi pamene mayina asayansi ali othandiza kwambiri. Ndi mitundu yofanana yokha ya mileme yomwe ili ndi dzina lofanana la sayansi. Choncho kugwiritsa ntchito mayina asayansi kungakhale kovuta koma ndikofunikira kwambiri ngati mukufuna kudziwa BWINOBWINO mtundu wa mileme yomwe mukunena..



mileme, mileme, mileme!

Pali mitundu yoposa 1,420 ya mileme padziko lapansi? Imeneyi ndi nambala yodabwitsa, eti? Timapanga 25% ya mitundu yanyama zoyamwitsa zonse padziko lonse lapansi. Izi zikutanthauza kuti pa zinyama zinayi zilizonse zoyamwitsa pa Dziko Lapansi, imodzi ndi mileme!

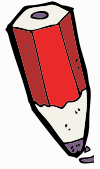
Pa mitundu 1,420, 250 imapezeka ku Africa ndipo kumwera kwa Africa kuli mitundu yopitilira 120, iliyonse ndi yosiyana ndi ina.

Pamene mitundu ya zamoyo ikufanana ndi mitundu ina, zimasanjidwa m'gulu lalikulu lotchedwa banja. Pali mabanja 21 a mileme padziko lonse lapansi, ndipo mabanja 11 a mileme amapezeka kum'mwera kwa Africa, awa ndi:





Kwa inu!



## Ntchito 1:

Kodi mungapeze  
mabanja onse a  
mileme m'mawu omwe  
ali pansipa?

## Mabanja a mileme

L	O	N	G	F	I	N	G	E	R	E	D	E	C
D	E	C	A	F	T	I	L	S	M	O	V	A	I
I	E	O	D	R	H	E	I	N	T	L	S	H	S
I	A	R	E	E	R	C	P	L	P	I	O	T	T
E	C	G	S	E	A	S	H	S	I	G	T	O	U
F	E	I	O	T	E	D	D	I	H	A	H	G	G
R	D	L	N	A	I	T	N	M	E	H	F	N	O
U	E	D	F	I	H	O	R	S	E	S	H	O	E
I	S	F	A	L	S	E	V	A	M	P	I	R	E
T	E	E	E	E	H	A	E	T	N	A	R	D	P
T	E	P	L	D	F	N	G	E	T	N	E	T	S
P	L	A	I	N	F	A	C	E	D	O	E	E	N
E	I	S	I	I	E	T	T	R	I	D	E	N	T
D	E	L	I	A	T	H	T	A	E	H	S	E	A

HORSESHOE  
FREETAILED  
FRUIT  
SHEATHTAILED

PLAINFACED  
FALSEVAMPIRE  
LEAFNOSED  
CISTUGO

TRIDENT  
LONGFINGERED  
SLITFACED

Tsopano, tiyeni tikambirane za kukula! Ndinakuuzani kuti mileme imakhala yosiyanasiyana kukula kwake, ndipo ifeyo ndife odabwitsa.

Mileme imatha kukhala yaying'ono komanso yopepuka, kapena imatha kukhala yayikulu komanso yolemetsa, komanso yapakatikati. Mitundu ya mileme yaikulu kwambiri ndi mileme yokudya zipatso monga golden crowned flying fox (*Acerodon jubatus*), yomwe imalemera pafupifupi makilogilamu 1.5 ndipo mapiko ake amatalikirana pafupifupi mamita awiri!

Kalong kapena Mleme yakuuluka yaku Javanese (*Pteropus vampyrus*), yomwe ili ndi mapiko ochititsa chidwi chimodzimidzi. *Pteropus* amatchulidwa ngati "tera pas" koma si mphaka wowopsa ndipo *vampyrus* ndi dzina loseketsa kwambiri chifukwa ndi mleme wakudya zipatso. Kaswiri yomwe adapatsa milemoyo dzina lake anali okanda kwambiri ma vapaya!

KODI  
MUMADZ  
IWA?

Mafupa opezeka  
m'mapiko a mleme  
ndi ofanana  
ndendende ndi  
amene ali m'manja  
mwa munthu!



### Ntchito 3:

Ngati muli ndi sikelo m'nyumba mwanu, pezani zinthu zing'onozing'ono ndi kuziyeza – kodi mungapeze zinthu m'nyumba mwanu zolemera mofanana ndi Kitti's hog-nosed bat? Mukhoza kuyesa ndalama zachitsulo, mapensulo, zomatira mapepala. mtedza ndi zina zotero. Mungapeze zinthu zingati?



### Ntchito 2:

Pezani rula kapena tepi yoyezera, ndikuyesa mtunda wa mamita awriri. Mungathe kuchita izi pansu, kapena pakhoma. Tsopano dzikhazikitseni pakati pa malowa ndi kutambasula manja anu pakana pomwe angalekezele kuti mukhala ndi chinthuzithuzi cha kukula kwa mapiko mileme yodya zipatso. Muthanso kupeza wina kuti akujambuleni pamene muli pamalawo. Tangoganizani ngati manja anu analidi mapiko a mileme, akanakhala aakulu bwanji!

KODI  
MUMADZ  
IWA?

Mleme waung'ono kwambiri padziko lonse ndi Kitti's hog-nosed bat (*Craseonycteris thonglongyai*), womwe umatchedwanso kuti bumblebat chifukwa ndi waung'ono. Mleme uwu ukulemera magalamu awiri okha!

## 5

## Nkhope za mileme

Nthawi zonse ndimadabwa ndi momwe nkhope za anthu zimawonekera mofanana. Nkhope za mileme zimatha kuwoneka mosiyana kwambiri - kuyambira makutu mpaka mphuno.

Mwachitsanzo:

Mileme yazipatso (monga Eidolon) ili ndi maso akulu ndi nkhope yayitali (yokhala ngati ya galu kapena ya nkhandwe)



Mwezi ndi Dent's horseshoe bat, ali ndi maso aang'ono (poyerekeza ndi Eidolon) ndi makutu aang'onoang'ono ozungulira omwe amakhalila kugwedela. Chinthu chake chosaiwalika ndi tsamba lamphuno lofanana ndi nsapato za akavalo (lomwe amang'ung'uza!)

Amayi a Logan (Bongji) ndi Bostwanan long eared bat. Ali ngati Bugs Bunny wa dziko la mileme. Makutu ake ndi aatali (ndiponso owneka bwino).



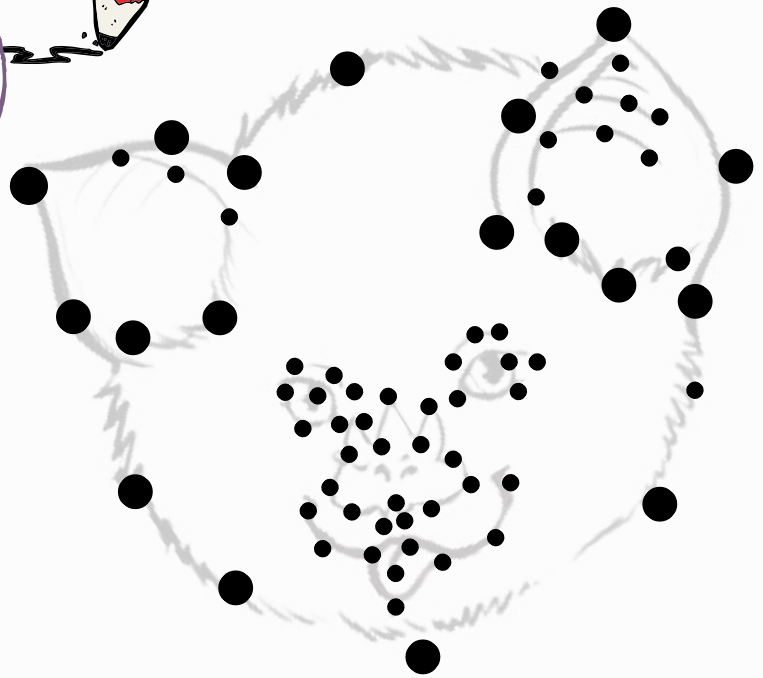
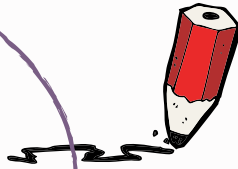
Sindikufuna kumveka zopanda pake, koma ndiyenera kutchula kuti mileme ina, monga ine timakhala ndi nkhope zokongola komanso timakhala ndi sitayilo ya tsitsi labwino. Ndimakonda mohawk yomwe ndili nayo!!



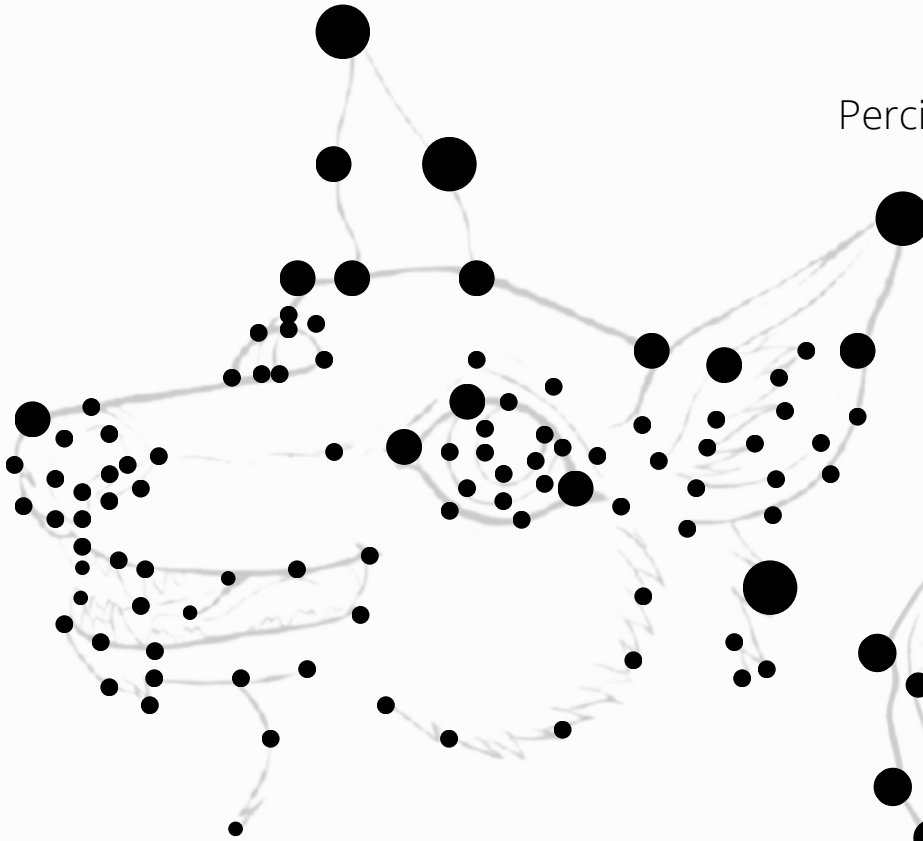
# Ntchito 4 :

Lowani nawo madontho ali m'munsiwa kuti muwonetse mitundu ina ya mileme yomwe imapezeka kumwera kwa Africa.

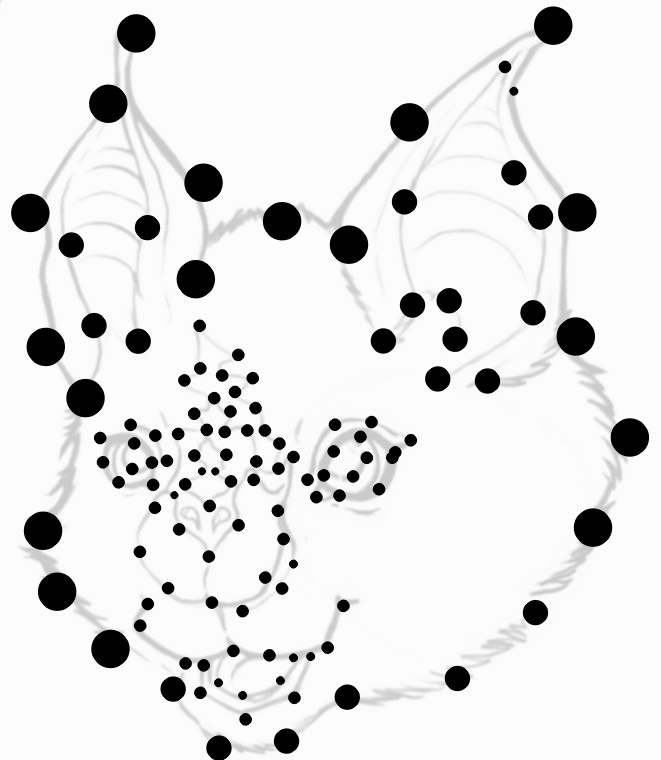
Kwa inu!



Percival's short-eared trident bat



Straw-coloured fruit bat



Geoffroy's horseshoe bat

# Kafotokozedwe ka mawu (mawu omwe taphunzira lero!)

**Kuika m'magulu** - kugawa magulu a zomera ndi zinyama m'magulu osiyana

**Zosiyanasiyana** - kuti tonse ndife osiyana

**Banja** - gulu la mtundu umodzi kapena mitundu ingapo yomwe ili ndi makhalidwe ofanana

**Zodya tizilombo** - chomera kapena nyama imene imadya tizilombo

**Mitundu** - mtundu winawake wa zomera kapena nyama



Ndikukhulupirira kuti mwaphunzira  
zambiri lero!

Tikuwonani sabata yamawa, kuti mudziwe  
zonse za komwe mileme imakhala!

Musaiwale; mayankho azochitikazo  
apezeka patsamba la Facebook la Bats  
without Borders!