

YOUNG SCIENCE

Communicators Competition

INDIGENOUS LANGUAGE

RUNNER UP

OH, NO GUDELA ZWA MATOMBO?

Humbelani Muofhe

Nne ndi muthu o di aluweaho mahayani hune geology ndi zwithu zwe ra vha ri tshi zwi vhona kha thelevishini zwa fhelela hanefho. Wa u nga si vhuye wa zwi humbula uri nga linwe la maduvha u do vhuya wa di wana wo zwi gudela, khuvhani na tshikhuwa tsha tshi sa to vuwa zwavhudi. Ndo ri ndi tshi phasa murole wa vhufumi nda soko talutshedza vhathu hayani uri ndi khou ya u gudela zwa matombo. Zwauri matombo a kho do to itiswa hani na nne muambi wazwo nda ndi sa zwi divhi.

Sa izwi tshikoloni ha hu na thero ya geography nda soko vhona ungari khamusi ndi zwithu zwithihi mathina a si zwone. Ndo ri u vhuya hayani nga murahu ha musi zwikolo zwa magudedzi a nntha zwo vala nda vho amba luambo lwo fhambanaho na lwe nda tuwa ndi khou lu amba ngauri ndo vha ndo no guda zwinzhi nga maanda nga ha geology. Geology ndi shango lashu nga u angaredza ngauri I ri gudisa he shango la thoma hone na uri sumbedza uri zwo to itea mini.

Arali ho vha hu sina geology shango lo vha li tshi do vha li siho. The Big Bang Theory I ri sumbedza uri shango lo thomisa hani minwahani minzhi minzhi yo fhelaho. Hezwi shango lo no thoma ho vha na zwipida zwinzhi zwo iteaho uri hu vhuye hu swike madi na matombo hafha hu ne ra dzula hone zwino fhedzi kha geology ri sedzesa matombo na miminerala ire kha matombo. U guda matombo zwi ri thusa uri ri kone u pfesesa uri mavu o bva kha tombo lifhio ngauri miminerala ine ya do vha I kha tombo lone line I do vha I kha mavu.

Geologists dzi ya kona u amba uri mavu a fhio ndi avhudi zwitshi da kha u fhata, avhudi zwi tshi da kha zwimela. Munwe muthu a nga mmbudzisa uri na mathina mavu a bva kha tombo nda fhindula uri ee! A pfa a sa zwi pfesesi. Ndi tshi mu talutshedza ndari tombo lifhio na lifhio li nga ita mavu. Hafha shangoni ri na tshaka tharu dza matombo, hu na Igneous, sedimentary na metamorphic.

Uri ri vhuye ri swike kha u kona u fhambanyisa uri mavu afhio ri zwi vhona nga miminerala I re kha mavu aneo. U kwashekana ha tshaka dza matombo ndi zwone zwine zwa itisa uri hu vhe na mavu hafha shangoni. U kwashea ha matombo zwi itwa nga tshaka dzo fhambanaho na dzone, Zwi nga itiswa nga duvha, musi tombo lo no swesa nga duvha, nga madi o omaho na a tshiludi na madi are na asidi, nga zwimela, zwipuka na vhathu.

Geology I dovha ya vha na zwithu zwi no nga musuku na minwe miminerala. Geology yo tandavhuwa nga maanda fhedzi vhathu vhanzhi a vha I pfesesi uri zwavhudi-vhudi I nga ha mini. Hunwe ndi tshi vhudza muthu uri ndo gudela zwa matombo u do vhona muthu a tshi doba tombo hanefho he a ima hone a thoma u vhudzisa uri ilo tombo le a fara li pfi mini. Tshinwe tshifhinga nda ndi tshi soko pfa u ngari vhathu vha khou kolela zwe nda gudela fhedzi ndo zwi limuwa uri vha to vha vha sa zwi divhi ngauri a si zwithu zwine vhathu vhanzhi vha to zwi divha.

Geology a si u gudela matombo fhedzi nangwe thalutshedzo yahone I tshiri ndi u gudela matombo. Hu na mavu, mutsho, madi na zwinwe-vho. Ndi vhona uri arali ho vha hu sina geology hafha lifhasini zwithu zwo vha zwi tshi do konda ngauri tshau thoma ho vha hu tshi do vha hu sina madi, matombo na mavu zwe zwa vha zwi tshi do itisa uri ri si vhe na fhethu hu ne ra do fhata hone, hu ne ra do ita zwa vhulimi hone.

Muya mufhe u ne ra fema wone u no bva kha miri wo vha u do vha u siho ndi to sa divha uri wo vha u do bva fhi ngauri ho vha hu tshi do vha hu sina hune miri ya do mela hone. Ho vha hu tshi do vha hu sina migodi ya minerala yo fhambanaho, tshelede na zwithu zwo fhambanaho zwi no itwa nga minerala zwo vha zwi tshi do vha zwi siho. A ri litshe u dzhiela fhasi geology ri divhe zwauri ndi yone vhubvo ha zwithu zwinzhi hafha lifhasini.

Humbelani explains:

Oh, you studied geology?

"I too didn't know that geology is very broad. I thought geology was geography at first, but they turned out to be two different things. I find it very hard to explain what geology is to someone who doesn't know about it because if I just say it is the study of rocks, people automatically think of a stone. A stone comes from a rock. Can a person go to school to just study a stone? That's impossible.

The Big Bang theory explains how the earth formed. Without rocks we wouldn't have minerals and soil. Soil forms from weathering of the rock which means, without the rocks, no plants would have grown and no oxygen would have been produced, and the Earth would not be a good habitat for human beings at all. Without rock and soil, we would also not have buildings and mines. Geology is a broad field and very interesting for scientists who would like to understand how the Earth operates.

About Humbelani



Muofhe Humbelani is a BSc (Hon) Geology graduate from the University of the Witwatersrand.

She says, "I want the readers to be aware that geology is not just about rocks, but also about the Earth that we live in and how it formed through different geological processes. I want them to know how important geology is and how these processes impact the environment we live in."

"Writing Tshivenda entry was not easy because some scientific words do not exist in my home language, but I found a way to explain them better."