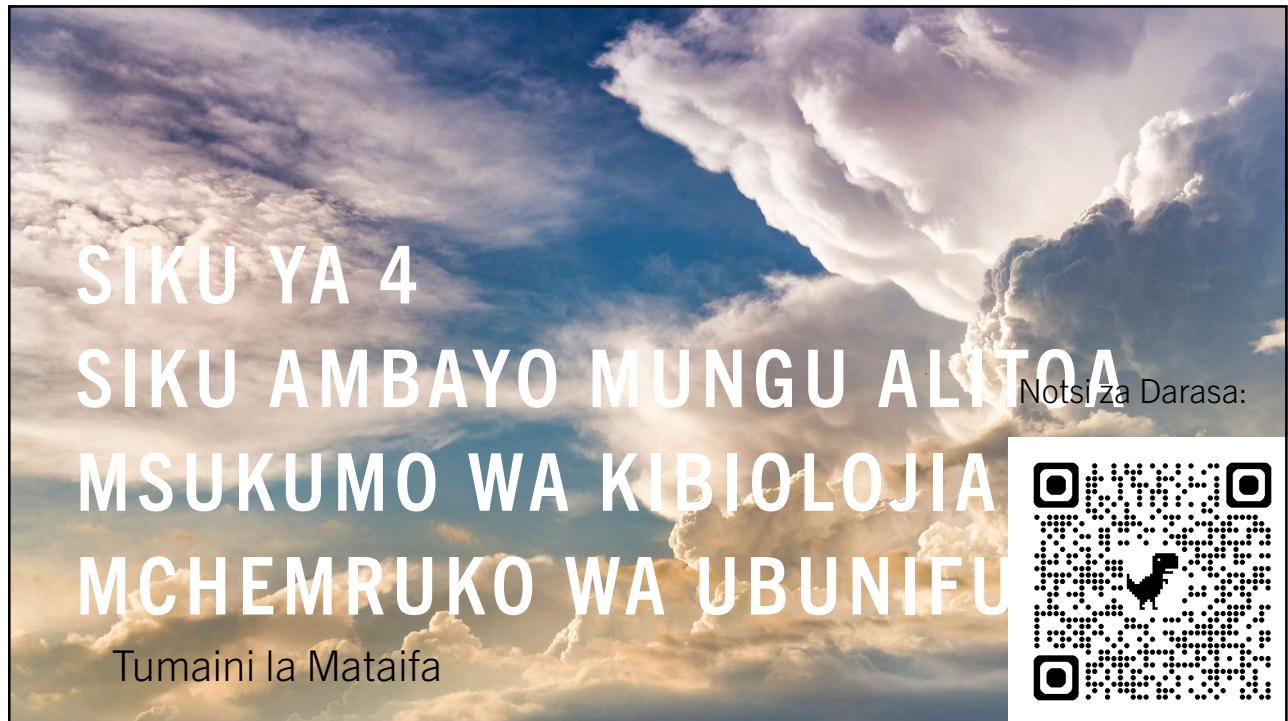


1

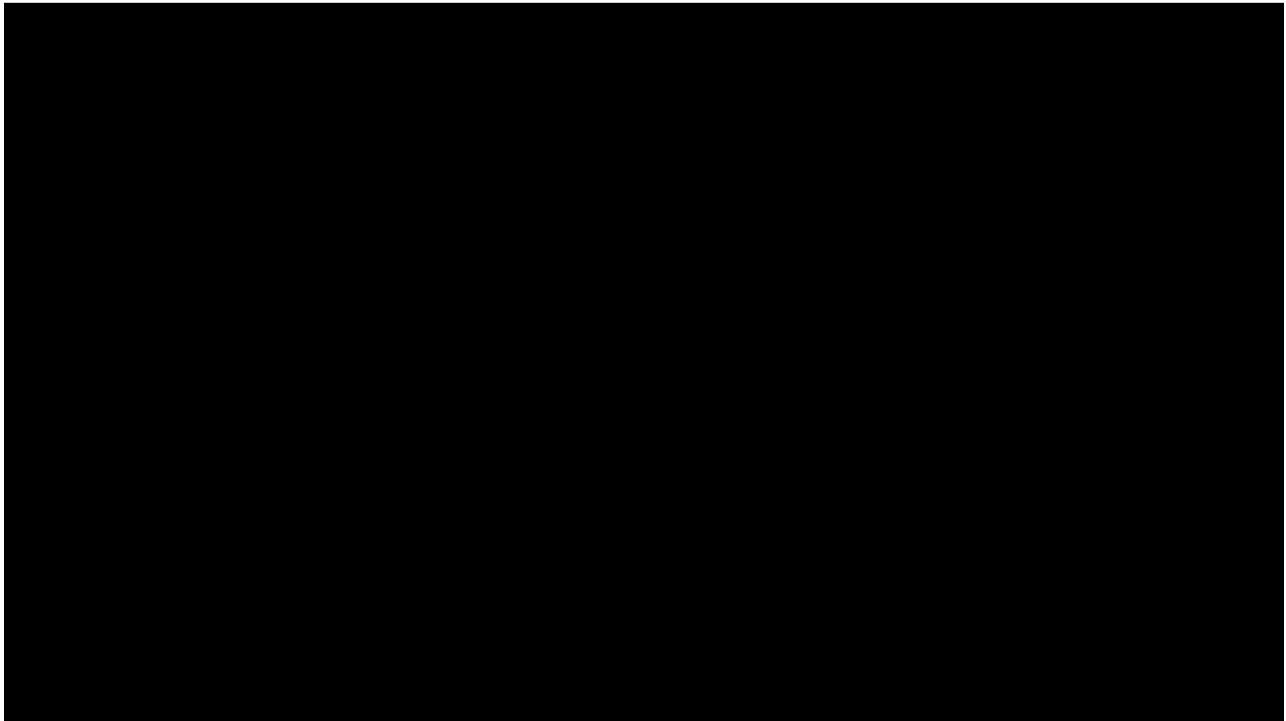


2

## The Day God ...

## Day 5 – The Day God Provided

## Bioinspiration and a Splash of Creativity



3

Mungu akasema, Maji na yajawe kwa wingi na kitu kiendacho chenye uhai, **na ndege waruke juu ya nchi katika anga la mbingu.** Mungu akaumba nyangumi wakubwa, na kila kiumbe chenye uhai kiendacho, ambavyo maji yalijawa navyo kwa wingi kwa jinsi zao, **na kila ndege arukaye,** kwa jinsi yake; Mungu akaona ya **kuwa ni vvema**

Mungu akavibarikia, akisema, Zaeni, mkaongezeke, mkayajaze maji ya baharini, **ndege na wazidi katika nchi.** 23Ikawa jioni ikawa asubuhi, siku ya tano.

Mwanzo 1 : 20 -23  
**SIKU YA 5**

4

# The Day God ...

## Day 5 – The Day God Provided

### Bioinspiration and a Splash of Creativity



## Kwa nini Mungu aliwaumba ndege?

- Ndege hutoa chakula kwa binadamu na wanyama
- Kinyesi cha ndege (guano) ni chanzo muhimu cha nitrojeni
- Ndege husambaza mbegu na kuvu
- Ndege ni waangamizaji wakali
- Ndege ni wafanyakazi wa usafi
- Na ...

5

Wao hutoa ...

## Msukumo wa Kibiolojia



6



7



8

## Msukumo wa Kibiolojia



9

## Msukumo wa Kibiolojia



10



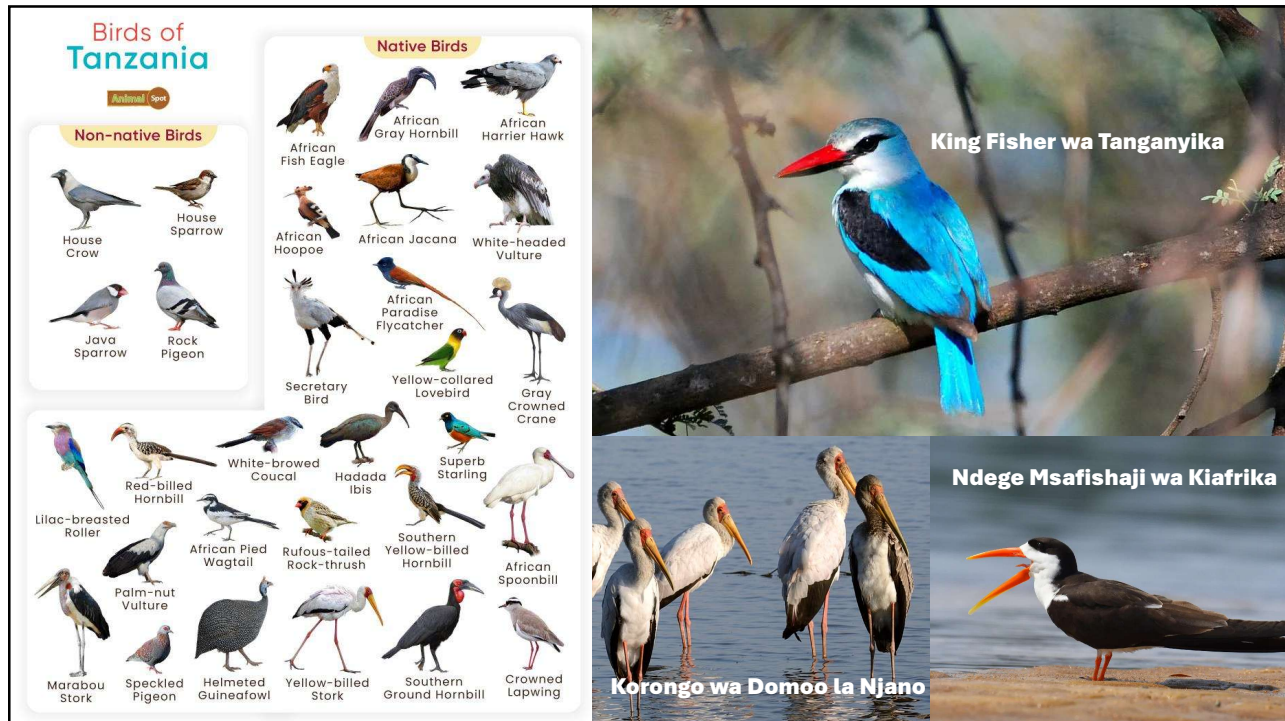
11



12



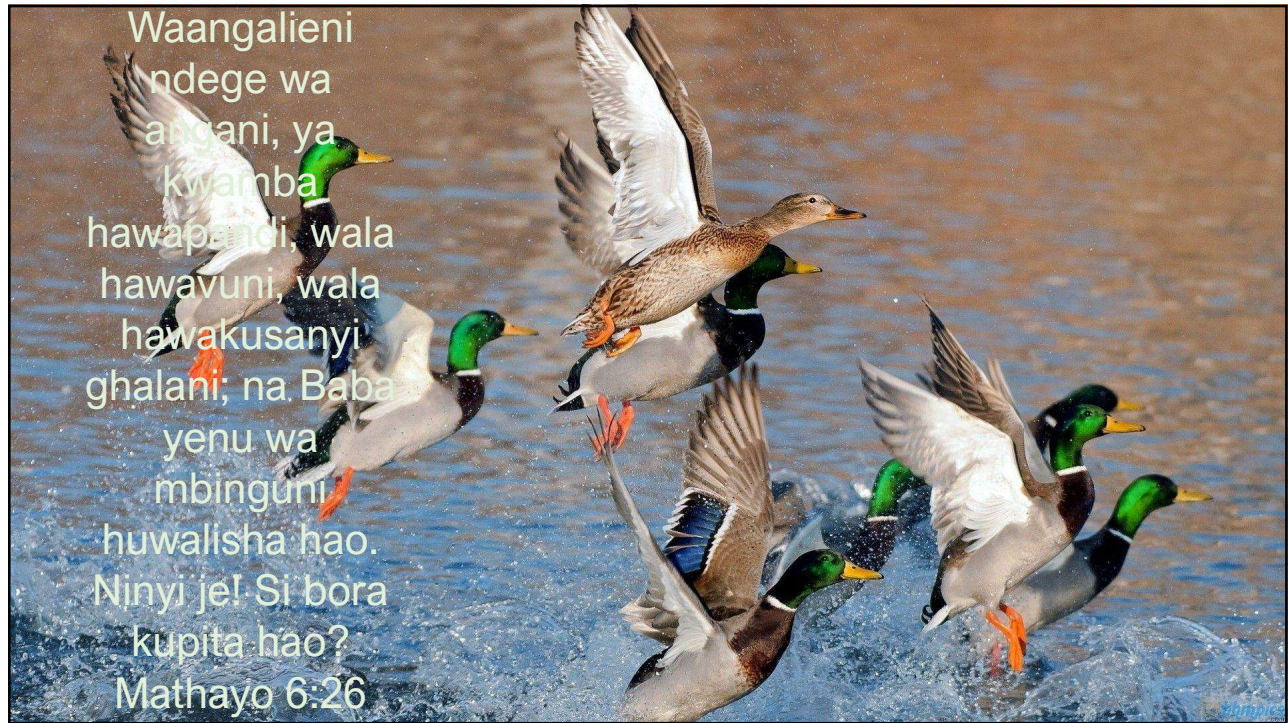
13



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Day 5 – The Day God Provided

Bioinspiration and a Splash of Creativity



Waangalieni  
ndege wa  
angani, ya  
kwamba  
hawapandi, wala  
hawavuni, wala  
hawakusanyi  
ghalani; na Baba  
yenu wa  
mbinguni  
huwalisha hao.  
Ninyi je! Si bora  
kupita hao?  
Mathayo 6:26

15



Je! Mashomoro  
wawili  
hawauzwi kwa  
senti moja?  
Wala hata  
mmoja  
haanguki chini  
asipojua Baba  
yenu.

Msiogope basi;  
bora ninyi  
kuliko  
mashomoro  
wengi.  
Mathayo 10:29  
& 31

16

## The Day God ...

## Day 5 – The Day God Provided

## Bioinspiration and a Splash of Creativity



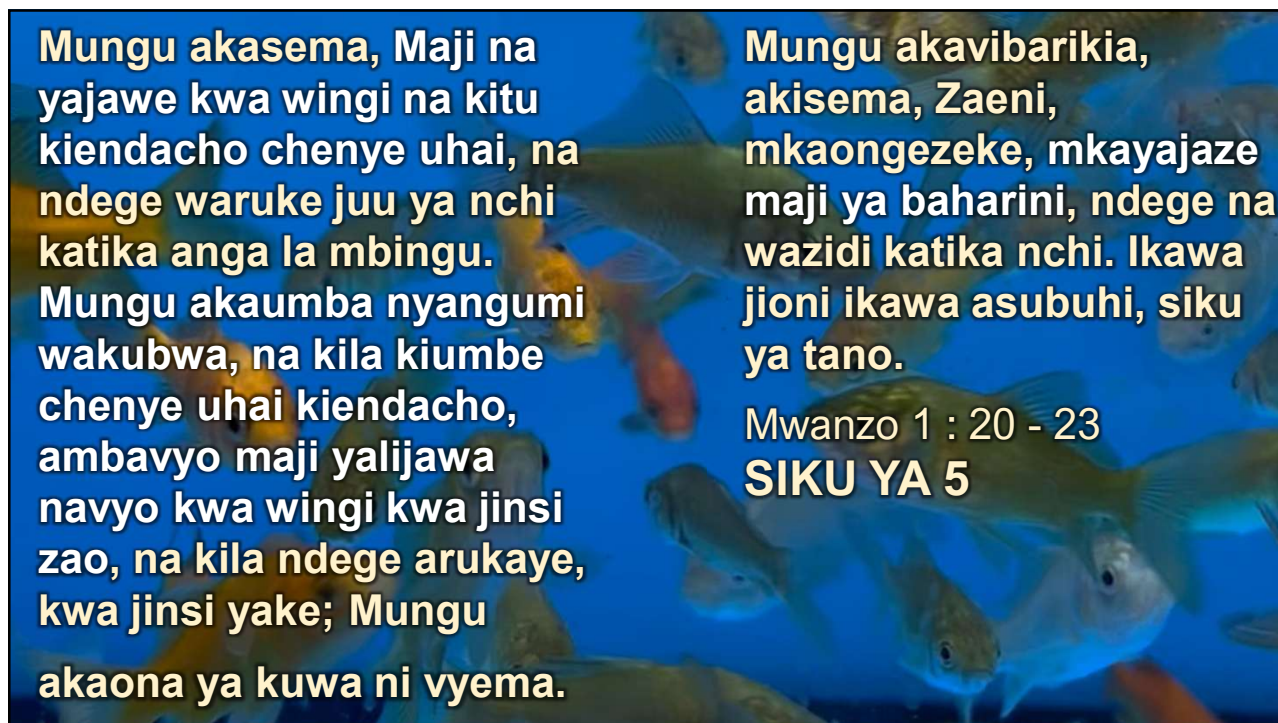
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19



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**The Day God ...**  
**Day 5 – The Day God Provided**  
**Bioinspiration and a Splash of Creativity**



**Kwa nini Mungu aliwaumba samaki?**

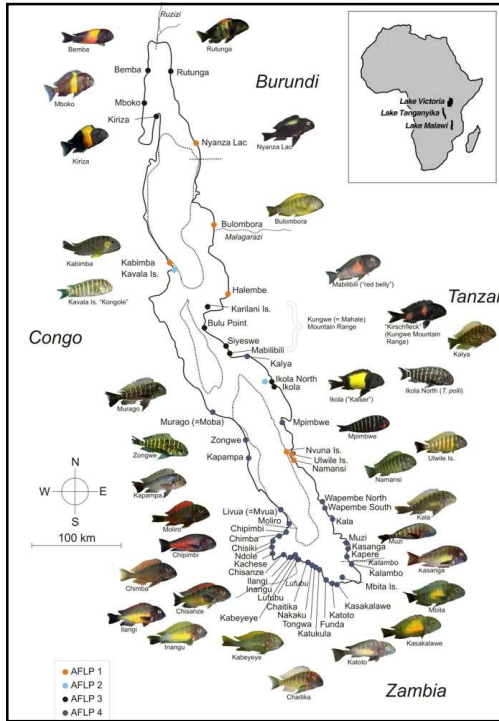
- Samaki hutoa chakula kwa binadamu na wanyama
- Hurekebisha mtandao wa chakula na ni viashiria vya kibiolojia (bioindicators)
- Huchangia katika urejelezaji wa virutubisho na tabaka za chini ya maji
- Hudhibiti magonjwa hatari, mwani, na viambajengo (kama mbu)
- Samaki wa ganda na matumbawe husafisha maji kwa kuyachuja
- Na huongeza ...

21



22

# The Day God ... Day 5 – The Day God Provided Bioinspiration and a Splash of Creativity



Samaki wa Cichlids wa Ziwa Tanganyika



Dagaa wa Ziwa Tanganyika

23



“Lakini sasa waulize hao wanyama, nao watakufundisha; Na nyuni wa angani, nao watakuambia; Au nena na nchi, nayo itakufundisha; Nao samaki wa baharini wafakutangazia. Katika hawa wote ni yupi asiyejua, Kwamba ni mkono wa BWANA uliofanya haya? Ambaye nafsi ya kila kilicho hai i mkononi mwake,” Ayubu 12:7-10

24

The Day God ...  
Day 5 – The Day God Provided  
Bioinspiration and a Splash of Creativity

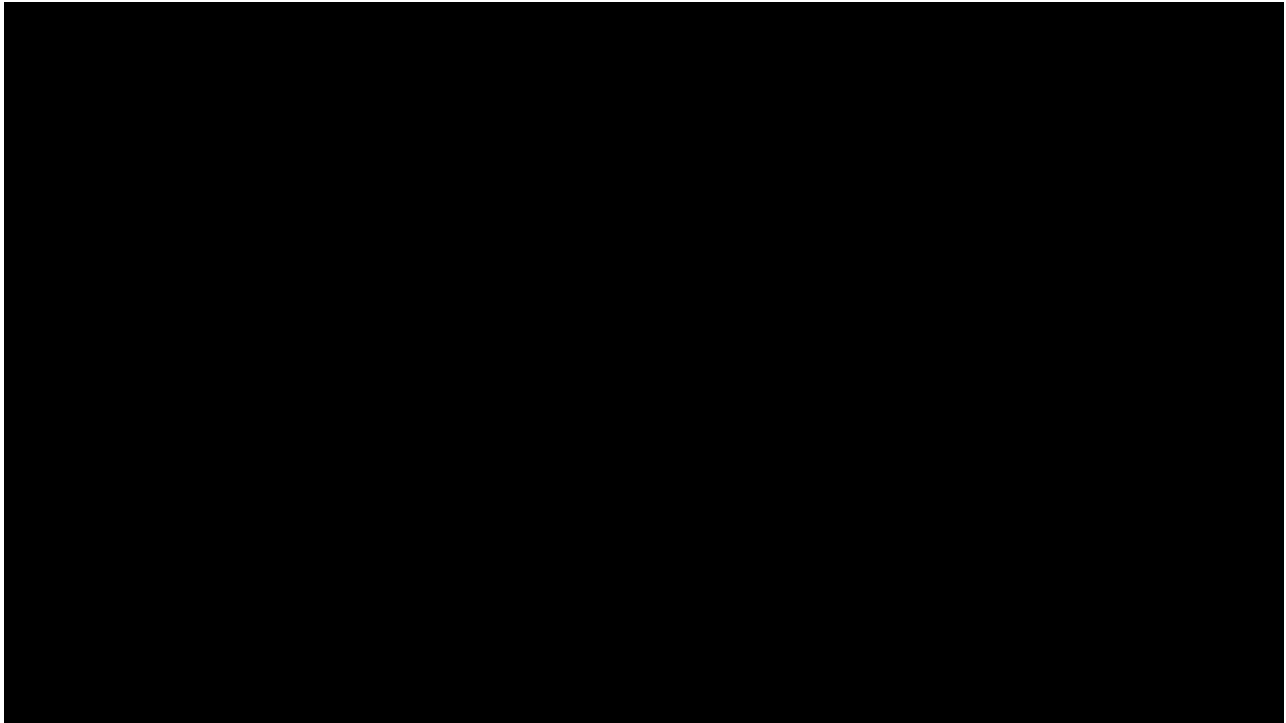


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26

**The Day God ...**  
**Day 5 – The Day God Provided**  
**Bioinspiration and a Splash of Creativity**



27



28



**Majukumu Ambayo Mungu Amempa Mwanadamu**

*...kulingana na Mwanzo*

***Mwanadamu ana jukumu hai alilopewa na Mungu katika mfumo wa ikolojia.***

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**Majukumu Ambayo Mungu Amempa Mwanadamu**

*...kulingana na Mwanzo*

1. Zaeni, mkaongezeke (ms. 1:28)
2. Mkaijaze nchi, na kuitiisha (ms. 1:28)
3. Mkatawale (mkamiliki) juu ya uumbaji (ms. 1:28)
4. Kuilima nchi (2:5 & 2:15)
5. Kuitunza (ms. 2:15)

30

## Uwakili

- Mathayo 25:14-30
- Mtazamo wa uwakili kwa Mkristo unatumika kwa mambo yote ambayo Mungu ametubariki, ikiwa ni pamoja na ...
- Uumbaji Wake au mazingira.



31

## Uwakili wa Mazingira

- Leo, wanamazingira wa kisasa hufundisha kwamba asili haipaswi kuingiliwa.
- Matokeo yake, wanamazingira wamekuwa kama yule mtumishi mwenye talanta moja.
- Uwakili unahusisha kutumia rasilimali ili zidumu kwa vizazi vijavyo (endelevu).



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# The Day God ...

## Day 5 – The Day God Provided

### Bioinspiration and a Splash of Creativity

## Uwakili wa Mazingira

- Uelewa wa tatizo pekee hautoshi. Mwanamazingira wa Kibiblia ataona kwamba maandiko matakatifu yanaeleza wazi juu ya kuwa mawakili wema wa zawadi ambazo Mungu ametupa, ikiwemo uumbaji wake.
- Mwanamazingira wa Kibiblia atatafuta suluhisho kwa changamoto ngumu, suluhisho ambazo bado zitaruhusu mazingira yatumike kwa muundo na kusudi ambalo Mungu ameyapa.



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## Uwe Mwanamazingira wa Kibiblia

- Mkristo bado anaweza kumtumikia Mungu kwa tukio kama hili.
- Tunaelewa ya kwamba sisi ni mawakili wa kile ambacho Mungu ametupatia.
- Tunatekeleza majukumu yetu tuliyopewa na Mungu.
- Siyo kwamba tunakanusha kile ambacho hatimaye kitatukia kwa uumbaji.
- Tunatazamia mbingu mpya na nchi mpya.

34

**The Day God ...**  
**Day 5 – The Day God Provided**  
**Bioinspiration and a Splash of Creativity**



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