



## Snapshot Safari Student Worksheet



# Snapshot Safari: Take Part in Citizen Science!

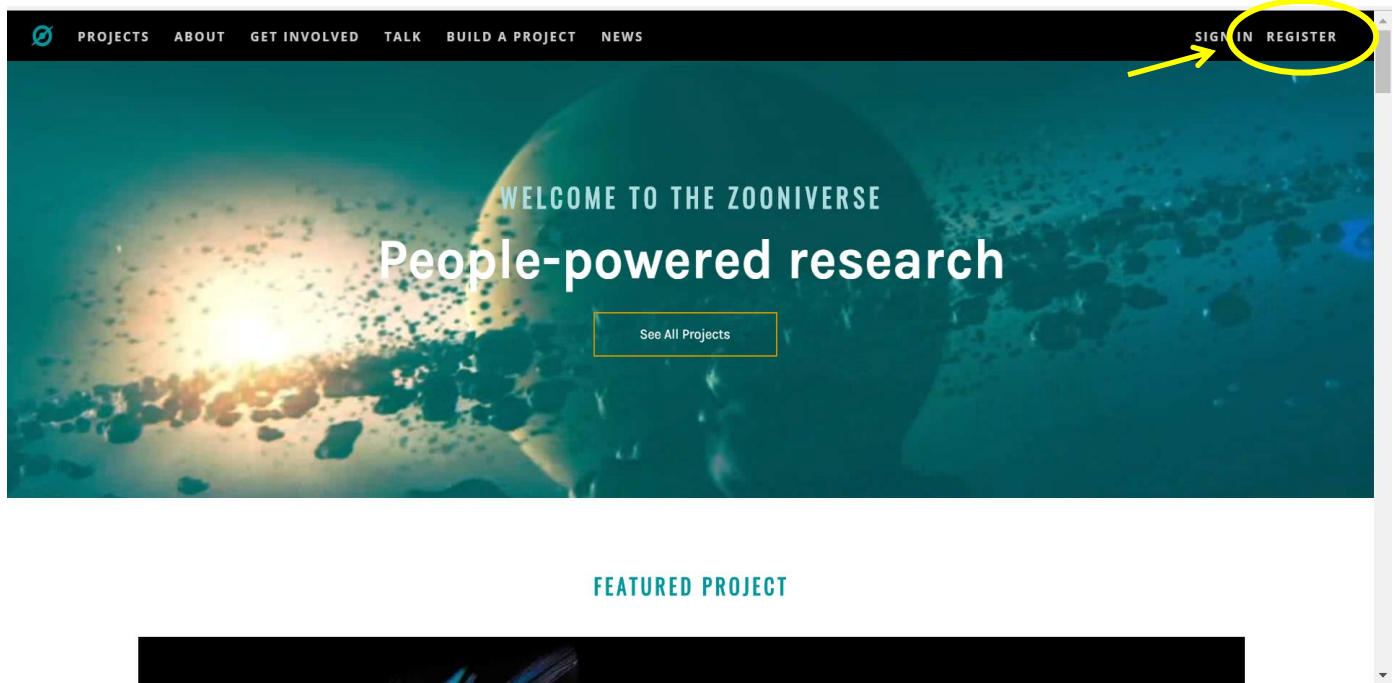
## INTRODUCTION

Researchers across Africa use remote trail cameras to study many different animal species. These cameras are equipped with motion sensors and snap photos when an animal moves in front of them. Researchers can then look at the photos to see how many different animals are in different parks in Africa, how many are young animals, how the animals interact, how the animals compare across parks, and many other observations.

To aid researchers in this effort, the photos have been posted on Snapshot Safari, an online citizen science platform that allows any visitor to see and identify the animals. In this activity, you will set up an account with Zooniverse and learn how to use the Snapshot Safari platform. You will then identify your first 10 animals to contribute to the park's research.

## PROCEDURE

1. Open the Zooniverse website at <https://www.zooniverse.org/>.
2. Click the "Register" link in the top right of the screen.





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3. Enter a user name, password, email address, and agree to the privacy policy. Then scroll down and click “Register”.

SIGN IN REGISTER

User name  
You'll use this name to log in. It will be shown publicly.

Password

Confirm password

Email address Required

Real name  
We'll use this to give you credit in scientific papers, posters, etc

You agree to our [privacy policy](#) (required)

4. Next, go to the Snapshot Safari website at [www.snapshotsafari.org](http://www.snapshotsafari.org)
5. Choose one of the available sites, then click “Get Started” to start classifying images.

Snapshot Safari  
Identify wildlife to help scientists understand the diversity and dynamics of wildlife populations across Africa!

[View As Volunteer](#)

SNAPSHOT GONDWANA

SNAPSHOT SERENGETI

SNAPSHOT MARIRI

SNAPSHOT GRUMETI

SNAPSHOT APNR



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6. Read through the tutorial to learn how to make animal identifications.

Color	Horns	Tail	Build
Guinea Fowl		Nyala	
Hare		Ostrich	
Hartebeest		Porcupine	
Hippopotamus		Reedbuck	
Honey Badger		Reptiles	
Human		Rhinoceros	
Hyena (brown)		Rodents	
Hyena (spotted)		Sable	
Hyena (striped)		Secretary bird	
Impala		Serval	
Insect/spider		Steenbok	
Jackal		Topi	
Cheetah		Kori bustard	
Civet		Vulture	





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7. Now it's time to identify your first photo! Remember you can narrow down the possibilities by clicking each of the characteristics across the top of the species list and selecting the option that most closely describes what you see in the photo. When you think you know what the animal is, click the species name for more information.

10/12/2015 8:13 AM ID:19

**Baboon**

Like	Pattern	Color	Horns	Tail	Build
Aardvark		Guinea Fowl		Nyala	
Aardwolf		Hare		Ostrich	
Baboon		Hartebeest		Porcupine	
Bat		Hippopotamus		Reedbuck	
Bat-eared fox		Honey Badger		Reptiles	
Bird (other)		Human		Rhinoceros	
Buffalo		Hyena (brown)		Rodents	
Bushbuck		Hyena (spotted)		Sable	
Bushpig		Hyena (striped)		Secretary bird	
Cattle		Impala		Serval	
Caracal		Insect/spider		Steenbok	
Cheetah		Jackal		Topi	
Civet		Kori bustard		Vulture	
Dik dik		Kudu		Warthog	
Duiker		Leopard		Waterbuck	
Eland		Lion (cub)		Wildcat	
Elephant		Lion (female)		Wildebeest	
Gazelle (Grant's)		Lion (male)		Wild dog	
Gazelle (Thomson's)		Mongoose		Zebra	
Genet		Monkey (Samango)		Zorilla	

10/12/2015 8:13 AM ID:19

**Baboon**

**Impala**

Lightly built; reddish brown in color, with pale fur on sides. White belly and chin, and around their eyes. Black tufts of hair between their ears, black lines on their rump, and black spots above their heels. Males have large, S-shaped horns.

Often confused with

How many?





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8. Once you've identified the species, scroll down to fill in the relevant information about number, behaviors, if there are young present, etc. This may take some scrolling up and down to see the animals. Then click "Identify".

The screenshot shows the Snapshot Safari interface. On the left, a video player displays a baboon with a yellow label 'Baboon' and metadata: '10/12/2015 8:13 AM ID:19'. On the right, the 'Impala' identification form is visible. The form includes a description, 'Often confused with' (Bushbuck, Reedbuck), 'How many?' (1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11-50, 51+), 'What behaviors do you see?' (Resting, Standing, Moving, Eating, Interacting), 'Are there any young present?' (Yes, No), and 'Do you see any horns?' (Yes, No). The 'Identify' button is circled in red with a red arrow pointing to it.

9. If your image has multiple species, make sure to fill in the information for the other species too. Look towards the top of the photo, do you see the baboons?

The screenshot shows the Snapshot Safari interface. On the left, a video player displays two impalas with a yellow label 'Baboon' and metadata: '10/12/2015 8:13 AM ID:19'. On the right, the 'Baboon' identification form is visible. The form includes a description, 'Often confused with' (Monkey (Vervet), Monkey (Samango)), and 'How many?'. The video player shows two impalas in the foreground and baboons in the background.



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**Baboon**

This is the largest Serengeti primate. Baboons are olive-brown in color, with grey/pink bare patches on their rump. Adults have large, dog-like muzzles and close-set eyes, whereas young baboons are dark brown and have flat, pink faces.

Often confused with  Monkey (Vervet)  Monkey (Samango)

How many?  
 1  2  3  4  5  6  7  8  9  10  11-50  51+

What behaviors do you see?  
 Resting  Standing  Moving  Eating  Interacting

Are there any young present?  
 Yes  No

\*Did you see the baby baboon being carried by an adult in the top left corner?

10. Once you are done identifying all the species present in your image, you can either click “Done” to move to the next image, or “Done & Talk” to discuss the photo on the talk forum. You can also “favorite” or “Collect” images that you find particularly interesting with the small white buttons underneath the image.

Cattle	<b>Impala</b>	Serval
Caracal	Insect/spider	Steenbok
Cheetah	Jackal	Topi
Civet	Kori bustard	Vulture
Dik dik	Kudu	Warthog
Duiker	Leopard	Waterbuck
Eland	Lion (cub)	Wildcat
Elephant	Lion (female)	Wildebeest
Gazelle (Grant's)	Lion (male)	Wild dog
Gazelle (Thomson's)	Mongoose	Zebra
Genet	Monkey (Samango)	Zorilla
Giraffe	Monkey (Vervet)	Nothing here

Showing 63 of 63

Fire  
 No animals present





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11. Sometimes the cameras take photos of people and their vehicles as they pass by. If you see this, choose “human” in the species list. The cameras also catch fires that sweep through an area, or there is no animal in the photo because a blade of grass blowing in the wind triggered the camera. In these cases, select “Fire” or “No animals present” beneath the species list.

The screenshot shows a video player on the left with a video of an impala. Below the video are buttons for 'Baboon' and 'Impala', and a timestamp '10/12/2015 8:13 AM ID:19'. To the right is a 'FIELD GUIDE' table with various species. Below the table are two checkboxes: 'Fire' and 'No animals present', both of which are circled in red. At the bottom are buttons for 'Done & Talk', 'Done', and 'Show the project tutorial'.

Cattle	Impala	Serval
Caracal	Insect/spider	Steenbok
Cheetah	Jackal	Topi
Civet	Kori bustard	Vulture
Dik dik	Kudu	Warthog
Duiker	Leopard	Waterbuck
Eland	Lion (cub)	Wildcat
Elephant	Lion (female)	Wildebeest
Gazelle (Grant's)	Lion (male)	Wild dog
Gazelle (Thomson's)	Mongoose	Zebra
Genet	Monkey (Samango)	Zorilla
Giraffe	Monkey (Vervet)	Nothing here

12. In some of the sites within Snapshot Safari, the cameras will take three consecutive pictures when they are triggered. You can move through these three photos using the three white circles underneath the image, or the play button in the bottom left corner, if they are present.

The screenshot shows a wide landscape photo of a savanna. Below the photo are three white circles and a play button, both of which are circled in red. To the right is a 'FIELD GUIDE' table with various species. At the bottom are buttons for 'Like', 'Pattern', 'Color', 'Horns', 'Tail', and 'Build'.

Aardvark	Guinea Fowl	Nyala
Aardwolf	Hare	Ostrich
Baboon	Hartebeest	Porcupine
Bat	Hippopotamus	Reedbuck
Bat-eared fox	Honey Badger	Reptiles
Bird (other)	Human	Rhinoceros
Buffalo	Hyena (brown)	Rodents
Bushbuck	Hyena (spotted)	Sable
Bushpig	Hyena (striped)	Secretary bird
Cattle	Impala	Serval
Caracal	Insect/spider	Steenbok
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Gazelle (Grant's)	Lion (male)	Wild dog
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13. Now that you know how to identify images, take some time to explore the other exciting features of Snapshot Safari. Identify a total of 10 photos, take notes on what you see below, and discuss at least one of the photos on the Talk forum.