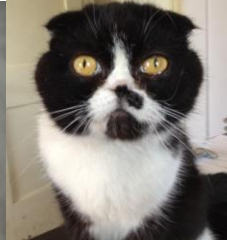




# BIODIVERSITY = Biological Diversity

Different kinds of living organisms:

1. **GENETIC DIVERSITY: DIFFERENT INDIVIDUALS** in THE SAME SPECIES (humans, animals, plants...they are all different )



# BIODIVERSITY = Biological Diversity

2. ECOSYSTEM DIVERSITY can produce new species or differences in populations.



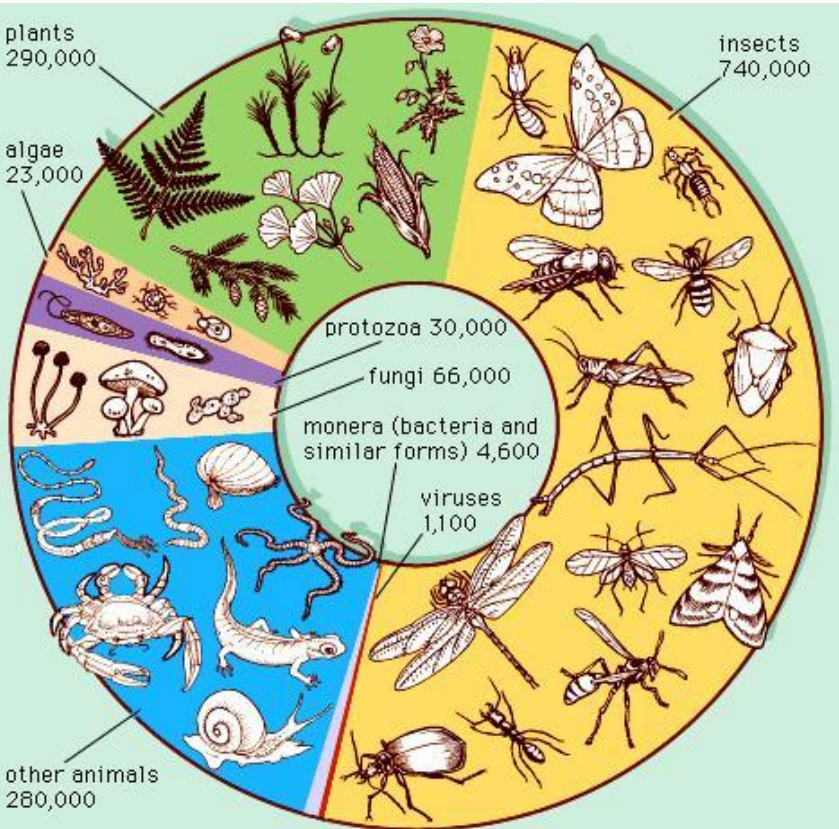
## TIGER SUBSPECIES OF THE WORLD





# BIODIVERSITY = Biological Diversity

## 3. SPECIES DIVERSITY: DIFFERENT SPECIES living ON OUR PLANET (GLOBAL BIODIVERSITY)



We know **2 millions** of all the different species living on earth, that can be **more than ten millions**.

Every year from **25000 to 30000 species die out due to antropic causes!**

- pollution
- habitat destruction or modification (deforestation, urbanization, global warming...)
- introduction of invasive species that destroy the native ones

# MASS EXTINCTION?????

## ENDANGERED SPECIES

#ESDAY2014

zooatlanta.org



ZOO ATLANTA

### FIVE

surviving tiger subspecies are endangered



Tiger territory has shrunk more than **40%** in just **10 years**

### 400

Sumatran tigers remain in the wild



The Bali mynah and lesser sulphur-crested cockatoo are both **critically endangered** due to the pet trade.



Zoo Atlanta-supported conservation projects



### THREE

subspecies are **extinct**



### 300 million years, and counting...

Turtles have survived on Earth for a long time, but populations are drastically diminishing all over the world



Habitat destruction is the main reason giant pandas are disappearing



99% of the giant panda's diet is bamboo.

Now, bamboo is only found in a few areas of China



1 out of 3 golden lion tamarins in Brazil are descendants of reintroduced animals



The western black rhino,

was declared **extinct** in 2011

Rhinos are hunted for their horns for uses in traditional medicine, although their horns have no medicinal value.

Horns are made of the same material in fingernails

