

MASTER COPIES

FOR THE SUPPORT OF BIODIVERSITY, NATURE CONSERVATION AND CLIMATE CHANGE EDUCATION IN SCHOOL CURRICULA IN THE KAFA BIOSPHERE RESERVE, ETHIOPIA



Example questions for the use in combination with the corresponding master copies

Importance of wild animals (p4 for teachers/ p5 for students)

Question: What do you think makes the pictured animals important? Write down at least two facts per animal.

Extra question: Do you know more wild animals? What makes them important?

Effects of overpopulation (p6 for teachers/ p7 for students)

Question: Write down at least 6 human needs that are satisfied by nature. With a growing number of human beings, the needs are causing negative effects on the natural resources. Write down at least 6 negative effects of overpopulation for our environment.

Extra question: There are negative effects of overpopulation that cannot directly be linked to human needs but still are caused by them. Can you explain how for example the need for energy or recreation can cause negative effects for our environment?

The water cycle (p8 for teachers/ p9 for students)

(Teachers: Prepare the list of words that the students are asked to fill in the blank spots of the drawing – evaporation x 4, ocean, condensing water vapor, cloud formation, precipitation, wetlands, lakes, groundwater.)

Question: Insert the provided words in the water cycle.

Extra question: Which reasons can you think of that have a direct impact on drought events to occur? (Answers: Climate change, logging of forest, destroying of wetlands, sinking ground water level, sealing soil, unsustainable management of natural resources, inefficient use of water devices)

Waste and environment (p10 for teachers/ p11 for students)

Question: Four activities in the picture show wrong behavior. Which ones are those and why are they harmful for humans and environment?

Extra question: One behavior out of the four is harmful only if it is done in the wrong way. Which behavior is meant and what makes it harmful? (Answer: Human urine and feces, it becomes harmful if it is done outside of the toilets, by too many people, too close to human settlements.

Forest food chain (p12 for teachers/ p13 for students)

Question: Explain with your own words the terms producer, consumer and decomposer. Write down at least two species per term.

Question: Add arrows that link the visualized environmental components and explain at least three of the links.

Extra question: Think about two more species in the forest and add them to the picture. Show their connections through arrows.

Extra question: How would you link humans in the food web?

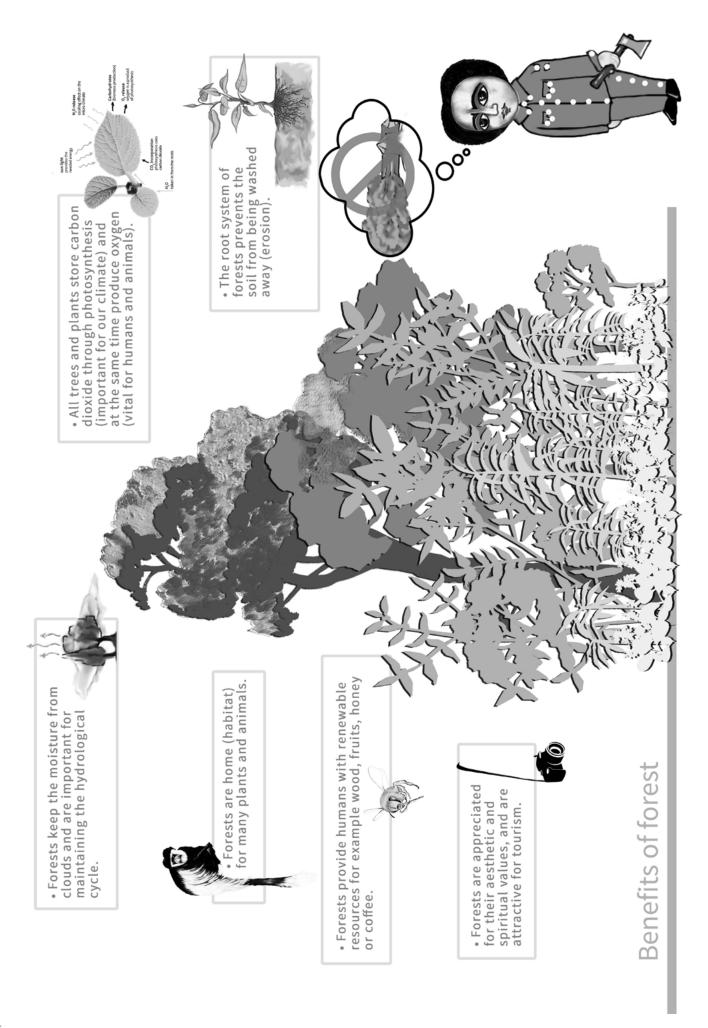
Extra question: What would happen if there are too many consumers in a food web?

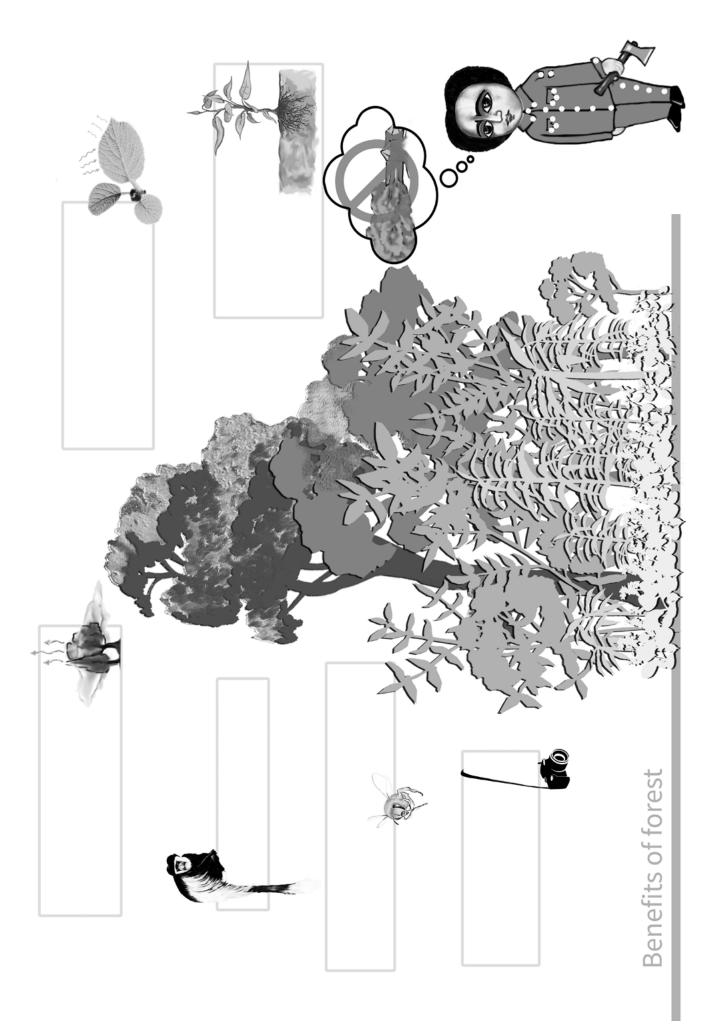
Benefits of forests (p14 for teachers/ p15 for students)

Question: There are 6 benefits visualized in the picture. They convinced the forest intruder to cut the trees. Which are the benefits? The small painted hints will help you identifying them.

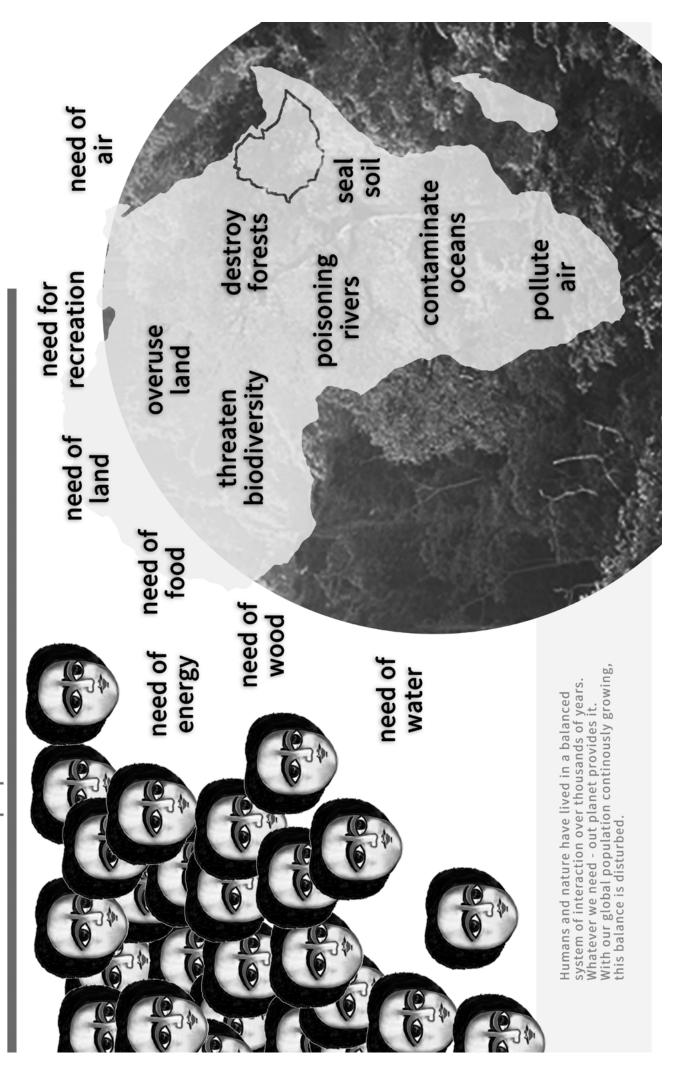
Extra question: Human need forest resources like wood, mushrooms and coffee. How can the forests resources be used and the forest ecosystem be protected sustainably at the same time? (Answer: By sustainable outtake)

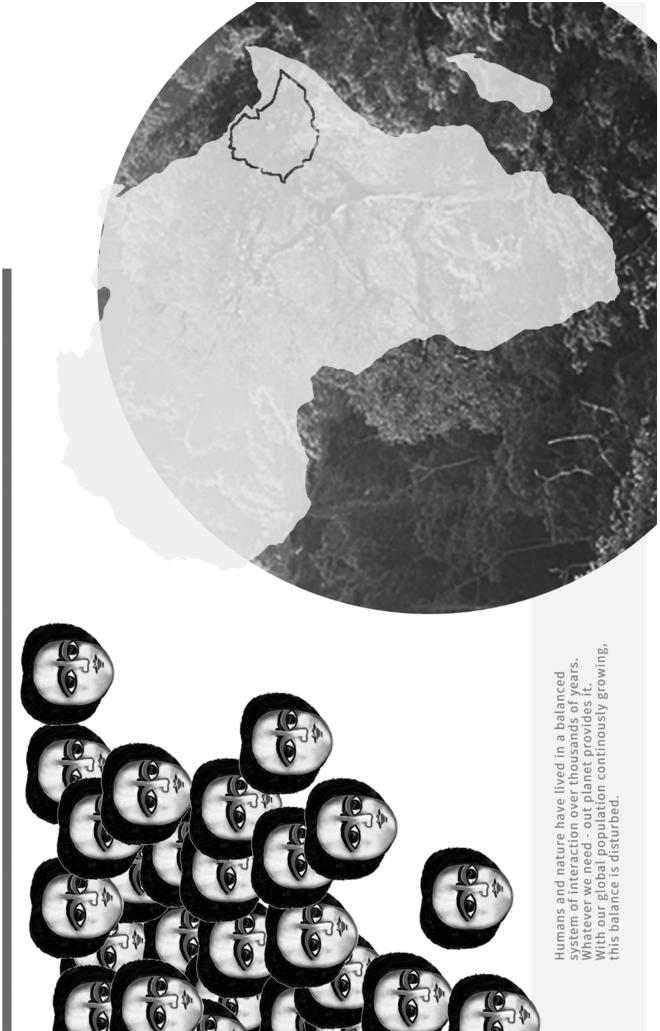


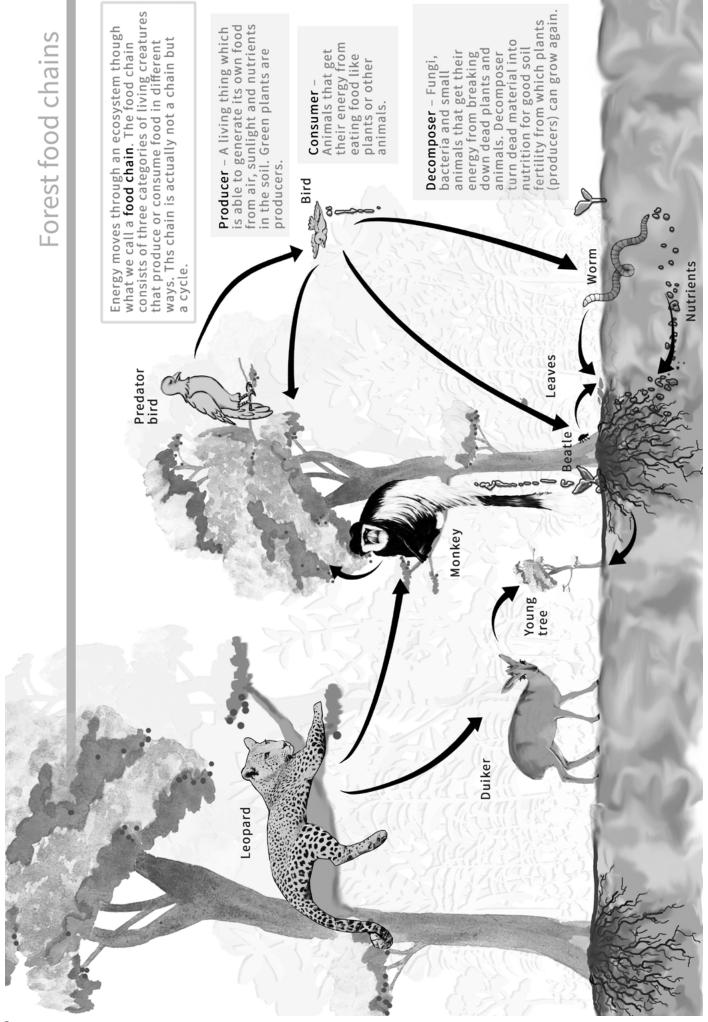


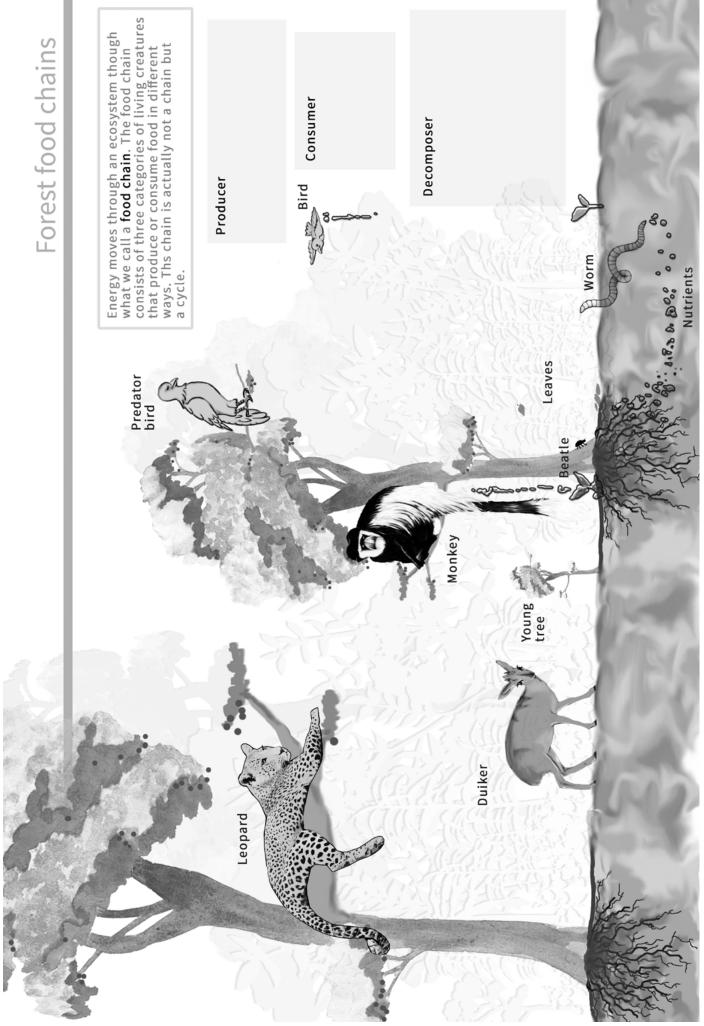


Effects of overpopulation











the food chain. They are the main pray Sub-Saharan Africa and play a pivotal ecological role, being bulk feeders in of lions and their presence prevents African buffaloes are widespread in

> a valuable tourist attraction many forest predators and

systems. They are prey for

through their digestive

important for seed disper-

sal through their sloppy eating habits, as well as

important tree and shrub seed dispersers for many

species. Colobuses are

primates in general play

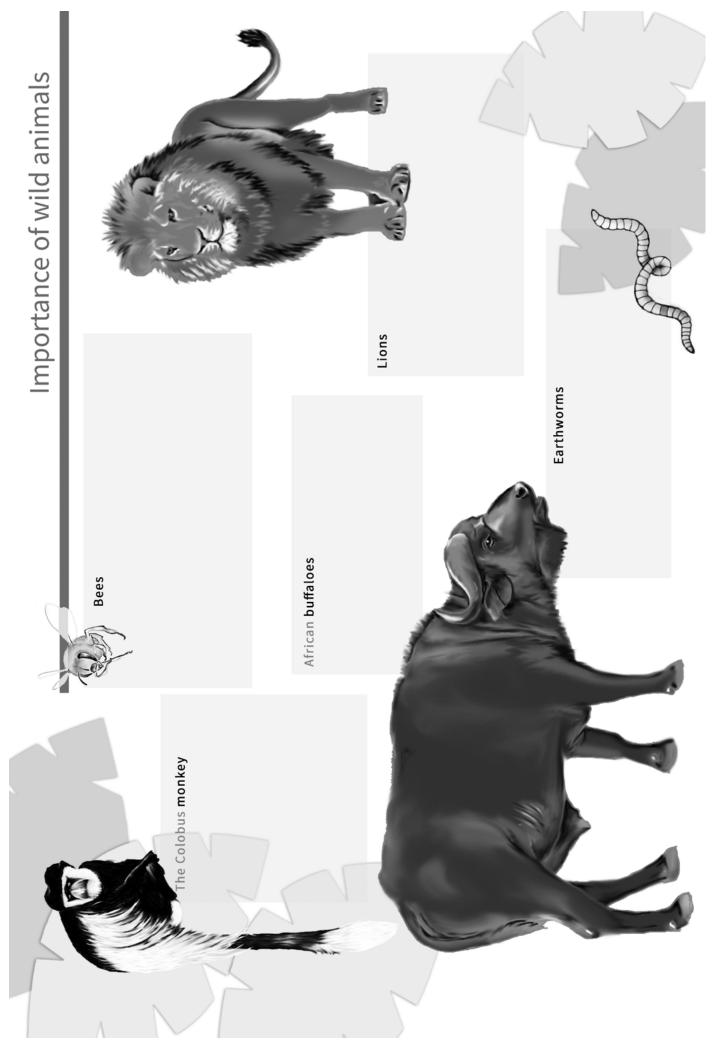
key roles in ecology as

he Colobus **monkey** or

a highlight for tourists.







Waste and environment

