

COMPONENTS OF A FOREST ECOSYSTEM



CITIZEN ENGAGEMENT



SILVANUS

www.silvanus-project.eu



A forest ecosystem is like a big, living community where plants, animals, and other organisms all live together and help each other out. Let's break it down into simpler parts with pictures to understand it better:

TREES AND PLANTS

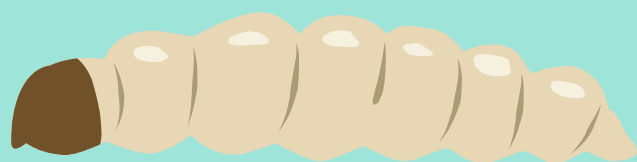
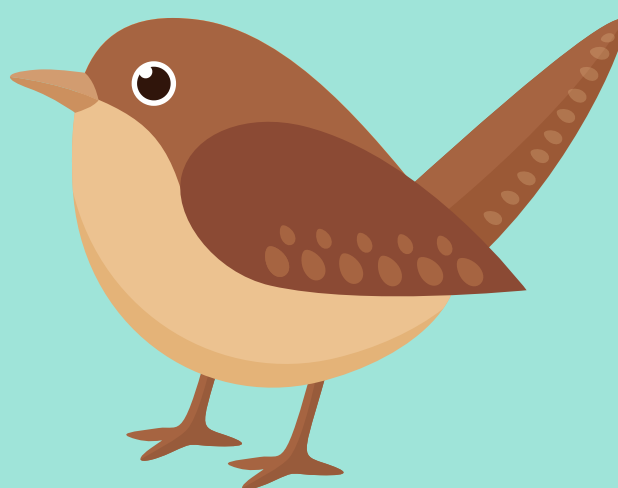
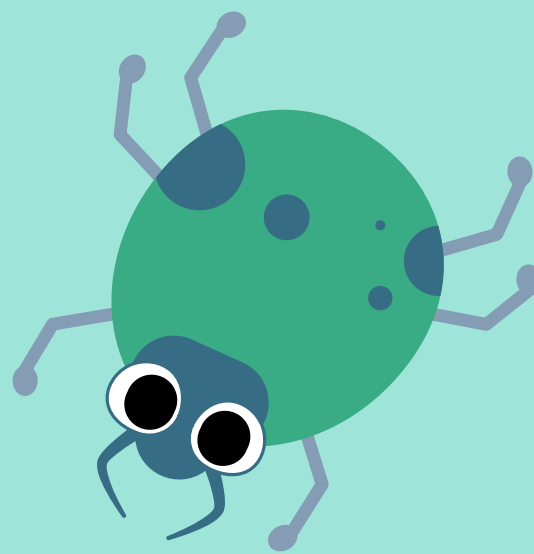
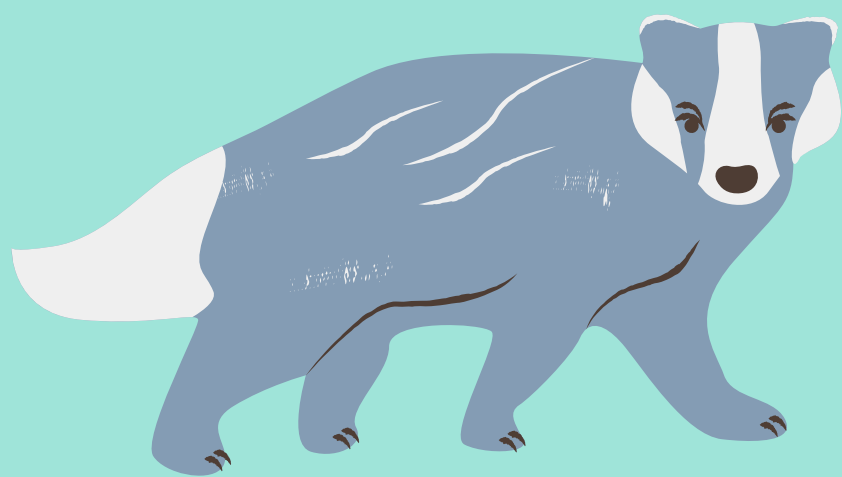
These are like the tall and short members of the forest family.

They make their own food using sunlight, provide oxygen for us to breathe, and give shelter to many animals.



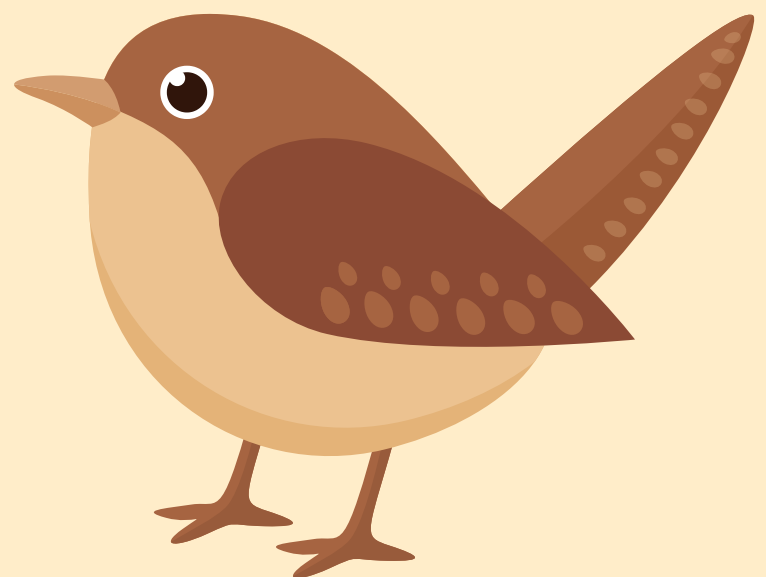
ANIMALS

From tiny insects to big bears, animals are important members of the forest. They all have different roles, like eating plants or other animals, which helps keep the forest healthy.



BIRDS

Birds are special because they can move seeds around, helping new plants grow in different parts of the forest. They also eat insects, controlling their numbers.



INSECTS

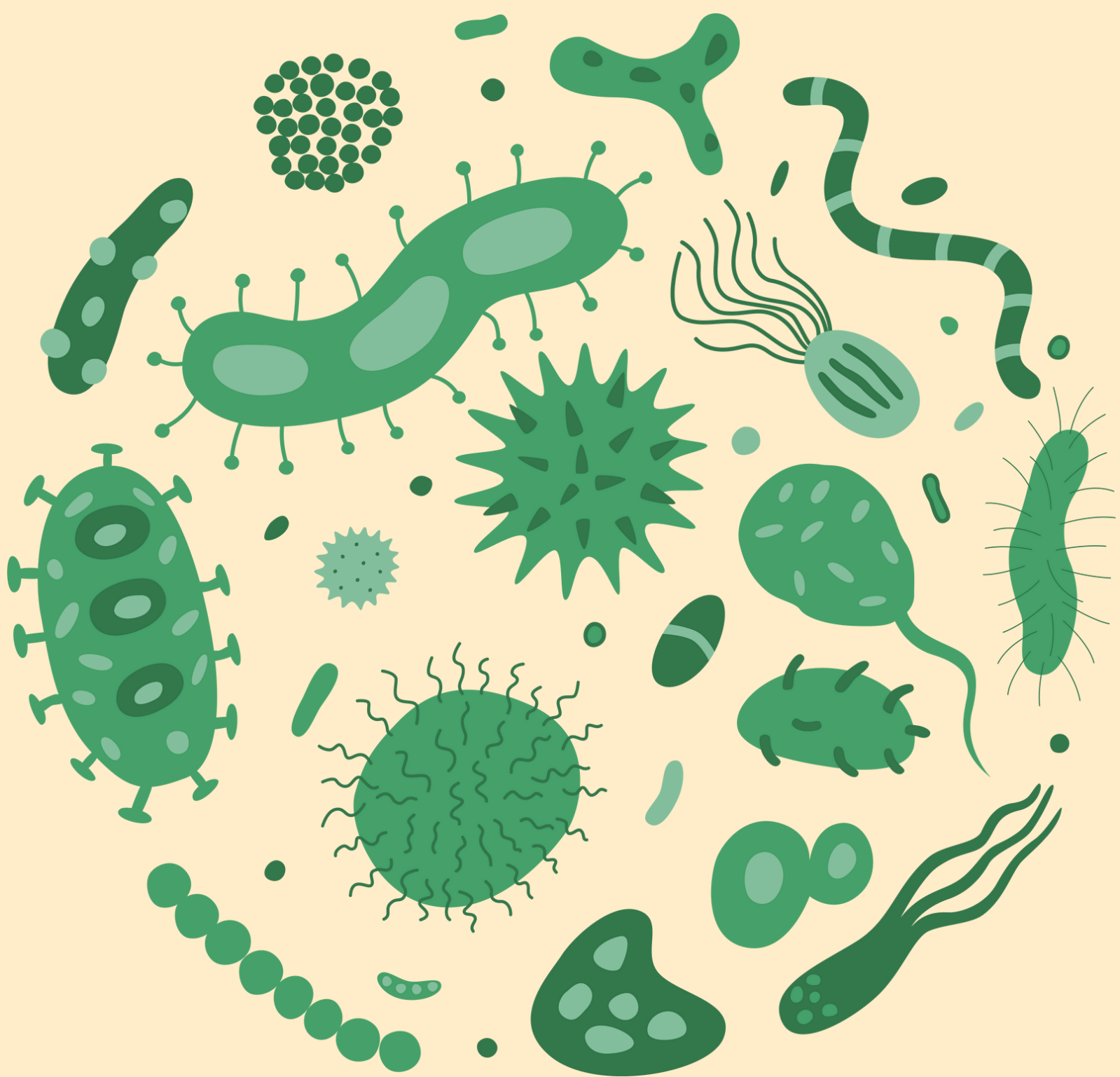
Insects might seem small, but they have a big job. They help break down dead plants and animals, turning them into soil nutrients. They're also food for many other forest creatures.



MICROORGANISMS

These are super tiny living things in the soil, like bacteria and fungi.

They're like the cleanup crew, breaking down dead stuff so plants can use the nutrients to grow.



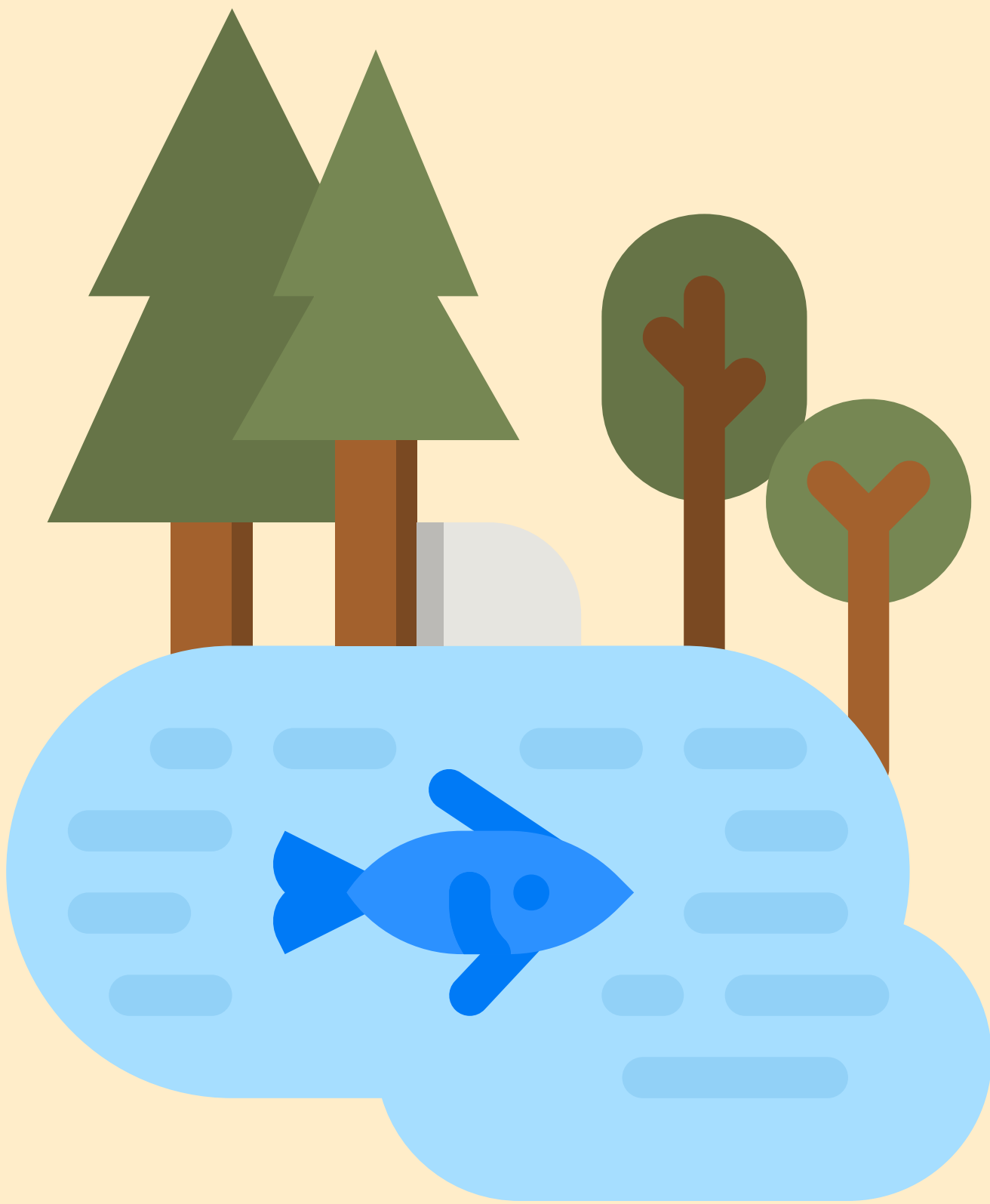
SOIL

The soil isn't just dirt; it's a mix of minerals, dead plants and animals, and living organisms. It's where plants root and get their water and nutrients.



WATER

Rivers, lakes, and rain in the forest are like the forest's drink of water. They help plants grow and provide homes for many animals.



SUNLIGHT

Just like you need food, plants need sunlight to make their food in a process called photosynthesis. It's essential for the energy flow in the forest.



DECOMPOSERS

These are the recyclers of the forest, including certain insects, fungi, and bacteria. They break down dead things, returning nutrients to the soil.

