

KEYS TO LIFE

FOOD, WATER, SHELTER,
AND SPACE



STUDENT WORKBOOK



ALL IT TAKES

Do you know what plants and animals need to live?

I LIFE INSIDE

Look at the photos of ecospheres. **Ecospheres** are closed containers with plants and animals living in them.



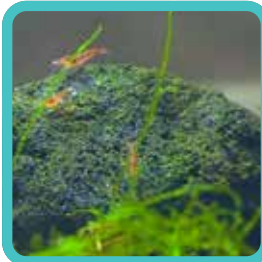
YouTube Channel: Fish For Thought



SivkiShow EN



Danny's Aquariums



SivkiShow EN



SivkiShow EN



THINK ABOUT IT!



1. Circle the words for what you see in the ecosphere.

Food Plants Shelter Animals Toys Water

2. Could you live in an ecosphere? Why or why not?

3. What are two questions you have about ecospheres?



REFLECT



1. How were the seeds in each bag the same or different on Day 4 than on Day 1?



2. Which bag of seeds grew the best? Why do you think that is?

3

NEEDING WATER

Your seeds on the wet paper towel were different than the seeds on the dry paper towel and the seeds underwater. The seeds on the wet paper towel sprouted a root! Without water, the seeds cannot grow roots. When seeds get wet, they open up so a root can grow.



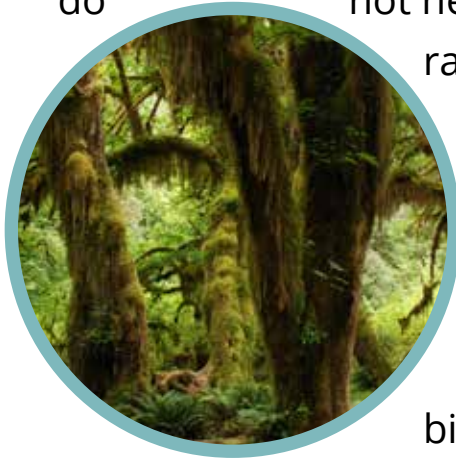
Why do you think the seeds in the bag filled with water didn't grow?

The seeds in the bag filled with water had too much water. They couldn't get other things they needed, like air. Plants need just the right amount of water.

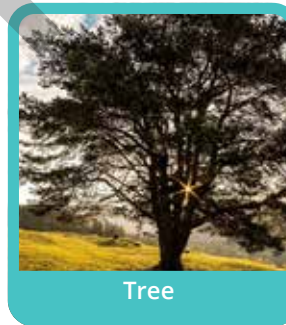
Animals also live in the desert. To stay healthy, they eat plants that store a lot of water in them. When they eat the fruit, they drink the water inside the plant.



Some plants and animals live in wet environments, like the rainforest. The plants there do not need to store water because it rains often. Instead, they take in water in smaller amounts when they need it.



The size of a plant or animal also changes how much water it needs. Larger plants and animals need more water than smaller ones. A tree is bigger and takes up more space than a piece of grass, so it needs more water. For humans, adults need to drink more water than children.



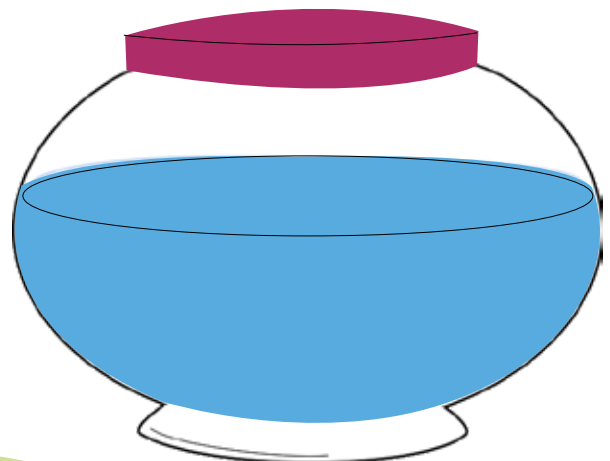
Tree



blade of grass

IN THE ECOSPHERE

The ecosphere from Activity 1 had water in it. It was the perfect amount of water for all the plants and animals inside to stay healthy. If there was less water or more water, the plants and animals would not be able to live.





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