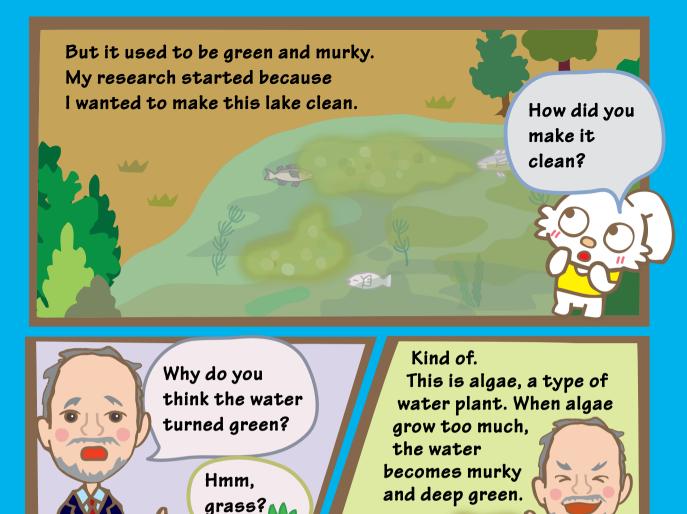


Gring and Woodin came to play at Lake Mendota in the United States. Isn't it great? Wow, this This lake is my old friend. lt's so





<image>

 Why did the algae grow so much?
 If you want to make flowers bloom beautifully, what else is needed besides water?
 Fertilizer?

Hmm

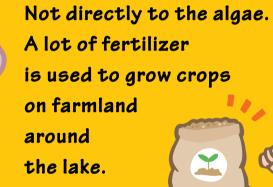
2

Yes! Fertilizer. Algae are plants, so they grow more when they have nutrients.



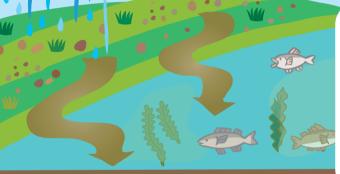


Did someone give fertilizer to the algae?





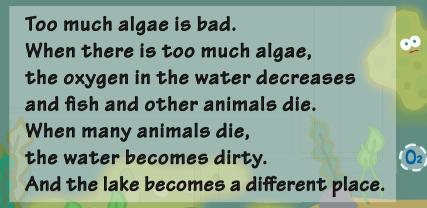
When nutrients flow into the lake with rainwater, the algae grow. This is called "eutrophication."





l see. But isn't it a good thing for the lake to be nutrient-rich?





That's terrible!

Is there any way

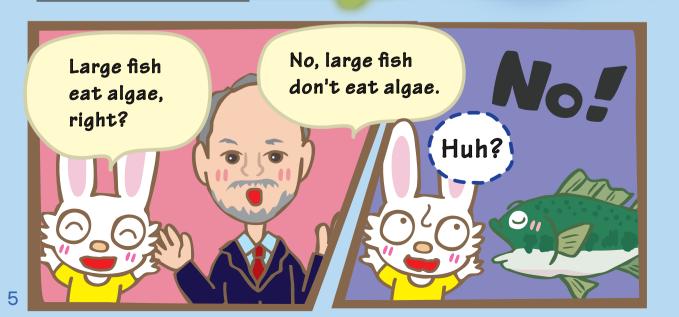
to fix it?

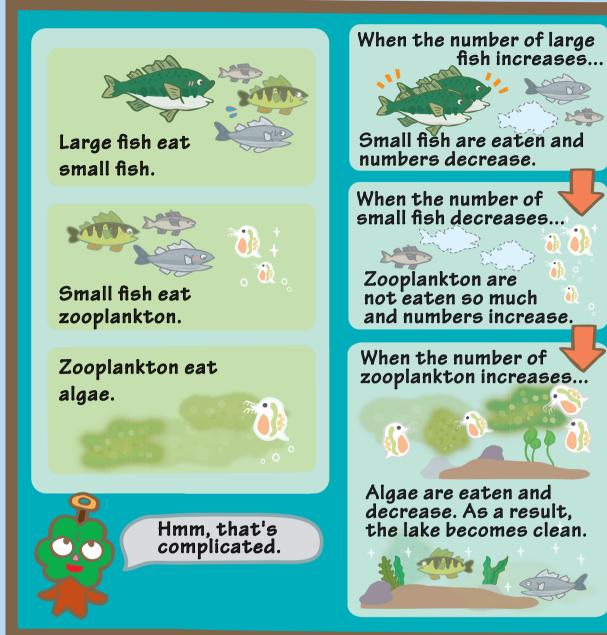


 O_2

(02)

• •





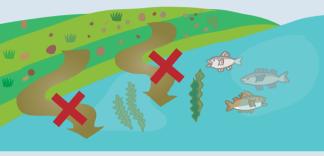
In this way, the creatures of the lake maintain balance by eating and being eaten. It's crucial to preserve this balance to protect natural environments like lakes. l'm so glad Lake Mendota is clean again.

6

But it doesn't always work. For example, if nutrients continue to flow into the lake for a long time and accumulate at the bottom of the lake, it becomes very difficult to restore the lake to its original state.



It is difficult to remove nutrients that have accumulated at the bottom, so it is important to think of ways to prevent nutrients from flowing into the lake in the first place.



Another important thing is to let everyone know that human activities can have unexpected impacts on nature, and to learn together.

When explaining, you can draw pictures, make stories, or perform plays.



l can do that! Thank you, Professor!



Environmental Doomsday Clock

Prof. Carpenter 's Fun School January 2024

af THE ASAHI GLASS FOUNDATION www.af-info.or.jp