# How does acid rain affect plants?

### Explanatory video transcript

*(0:07)* How does acid rain affect plants?

*(0:12)* Looking out the window, Lilu saw that it was raining and felt happy.

*(0:17)* He enjoys taking a bath with friends in rainy weather.

*(0:21)* He recalled recent news about acid rain and wondered about its effects on plants.

*(0:27)* Lilu asked a few questions. How does acid rain affect plants?

*(0:35)* What changes occur after a week or two?

*(0:40)* Have you noticed differences in plants with regular water?

*(0:45)* Let's understand how acid rain affects plants.

*(0:50)* When rain mixes with air pollutants, it becomes more acidic.

*(0:55)* This happens with snow and fog too, causing harmful acid rain that damages plants and creatures in streams and lakes.

*(1:05)* We measure acidity using the pH level.

*(1:08)* Regular water has a pH around 7, while normal rain is at 5.6.

*(1:15)* Acid rain falls between 4 and 5 on the pH scale. Vinegar is an acid with a pH between 2 and 3.

*(1:24)* Adding vinegar to the water increases its acidity.

*(1:30)* To simulate normal rain, we added a few drops of vinegar to the water.

*(1:36)* To simulate acid rain, we used only vinegar.

*(1:41)* Acid rain harms plants weakening and even killing them.

*(1:47)* Can we stop air pollution and acid rain to protect nature?

*(1:52)* We all play a role in safeguarding the environment.

*(1:56)* By saving energy, reducing pollution, and raising awareness about acid rain, together we can make a positive impact on plants and ecosystems.