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.