Name	



ACID RAIN

Answer the questions immediately after reading each paragraph.

To understand what acid rain is, it is necessary to first know what is meant by acidity. Scientists calculate the acidity of a substance using a measure called pH. The lower the pH (between 1 and 7) the greater the acidity. For example, lemon juice is very acidic since its pH is 2,3. If the pH is greater than 7, the substance is said to be basic or alkaline, which is the opposite of acidic. Pure water, at a pH of 7, is between the two and therefore neither acidic nor alkaline. Rain water is naturally a little acidic because its pH is 5,6. This is due to the fact that the air contains carbon gas, which transforms into carbon acid when in contact with water.

What measure allows us to know the acidity of rain?	
Is unpolluted rain water considered pure water with a pH of 7? Explain.	
The problem with acid rain stems from the fact that different human activities increase rawater's acidity. This leads to devastating consequences for the environment, in particular for the forests and lakes. The fossil fuels that we use in our cars and in our industries give off certatoxic gases. When these gases mix with the water in clouds, sulphuric acid and nitric acid for These polluted clouds are transported by the winds. Their now acidic rain begins to pollute the places where it falls. Since the winds carry the polluted clouds over hundreds and thousands kilometres, acid rain can pollute huge areas.	he in m.
What are we? We were formed by the combination of toxic gases and cloud waters.	8
Can a place that does not create pollution receive acid rain?	

Name	



ACID RAIN (Continued)

Water from acid precipitation (rain or snow) can fall into bodies of water or penetrate the Earth and contaminate subterranean water tables known as groundwater. The risks to human health are high since people use this polluted water in abundance. Nature, too, is affected by acid rain. Acid rain destroys nutrients in the soil that are indispensable to plant life. Thus, the capacity of trees to send sap up to their leaves in order to nourish them properly is reduced. Each year thousands of trees die because of acid rain.

	osing your dictionary, find the meaning of the word "nutrient".
6	How can acid rain cause the death of thousands of trees?
The disc area to r	Acid precipitation also causes the acidification of certain lakes and kills almost all plant and mal life found in them. Sometimes certain gases fall down to earth in the form of dry deposits, ase deposits are dangerous for tree leaves because they render them vulnerable to insects, ease and fungus. Fortunately, certain places are well protected against acid rain. Lakes in as with limestone can neutralize acid rain and thus save the life forms in them. If we are going reduce this devastating rain, polluting industries will have to reduce their use of fossil fuels, uding crude oil and coal.
7	Can you name the polluting industries referred to in the last paragraph?
8)	In your opinion, what would our planet look like if there were no acid rain?