

WorksheetCloud: WORKSHEET

Grade 9

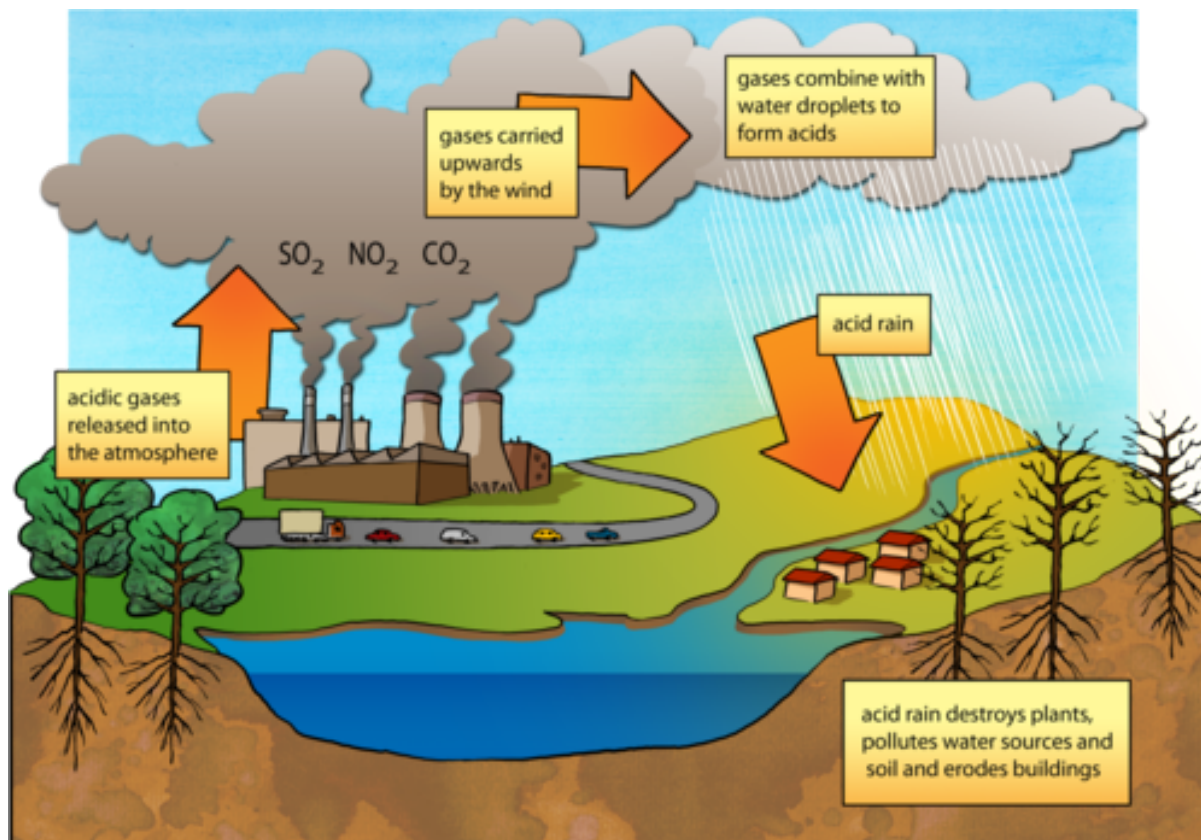
Subject: Natural Sciences

Topic: Acids and Bases: Non-metal oxides and water

## WHAT IS ACID RAIN?

INSTRUCTIONS:

1. Study the diagram showing how acid rain forms.
2. Do some extra reading and research about acid rain.
3. Answer the questions about acid rain.



**QUESTIONS:**

Which three gases are shown in the diagram that contribute to the formation of acid rain? Write their names and formulae.

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What are some of the sources of these gases? You can do some extra reading about this to help you answer this question.

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Write the equations for how two of these gases which you have learnt about react with the water in the atmosphere to form acids.

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What are the names of these two acids?

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What are some of the environmental impacts of acid rain? Study the diagram for some clues and do some extra reading.

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Acid rain can also damage buildings as it 'eats away' the stone. What property of acids allow it to do this?

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Factories then started to build much higher smoke funnels so that the smoke was let out high enough to be blown further away. Do you think this is an efficient way to help reduce acid rain? Explain your answer.

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Do some research to find out about the possible ways to prevent or minimize the formation of acid rain. Write a paragraph to summarize these methods below.

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