

ACID RAIN

A. Complete the gaps with one of the words given

wind	wet	water	Vehicle	sulphuric
sulphur	solutions	precipitation	power	ph
oxygen	nitrogen	nitric	gases	fuels
factories	dry	burning	acidity	acid

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Acid rain is ----- with a ----- value of less than ----- . The ----- results from ----- fossil ----- in ----- and ----- stations, which release ----- dioxide and ----- oxides into the atmosphere. ----- emissions add further nitrogen oxides. This is ----- deposition. If these ----- mix with ----- vapour and ----- in the atmosphere, weak solutions of ----- and ----- acids are created, which can then be moved by ----- . These ----- will eventually fall to Earth as ----- rain and can occur at some distance from the source. This is ----- deposition.

B. Decide if the following statements describe potential impact of acid rain on people (P) or on the environment (E).

1. Acidification of ground water makes water undrinkable and can cause diarrhoea and stomach upsets.
2. Acidification of groundwater damages tree roots.
3. Aluminium leached from the soil into the groundwater has been linked with pre-senile dementia.
4. Aquatic and animal life in lakes is poisoned and decreases as acidity levels increase.
5. Crop yields decline
6. Limestone buildings are chemically weathered.
7. Nutrients such as calcium are leached out of the soil.
8. Trees affected as foliage dies.