



Centurion
UNIVERSITY

Shaping Lives...
Empowering Communities...

Noise Pollution



Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

WHAT IS NOISE POLLUTION



- Sound that is unwanted or disrupts one's quality of life is called as noise. When there is lot of noise in the environment, it is termed as noise pollution.
- Sound becomes undesirable when it disturbs the normal activities such as working, sleeping, and during conversations.
- It is an underrated environmental problem | fact that we can't see, smell, or taste it.
- World Health Organization stated that "Noise must be recognized as a major threat to human well-being"





Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

Health Effects

- According to the USEPA, there are direct links between noise and health. Also, noise pollution adversely affects the lives of millions of people.
- Noise pollution can damage physiological and psychological health.
- High blood pressure, stress related illness, sleep disruption, hearing loss, and productivity loss are the problems related to noise pollution.
- It can also cause memory loss, severe depression, and panic attacks.



Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

Sources of Noise Pollution



- Transportation systems are the main source of noise pollution in urban areas.
- Construction of buildings, highways, and streets cause a lot of noise, due to the usage of air compressors, bulldozers, loaders, dump trucks, and pavement breakers.
- Industrial noise also adds to the already unfavorable state of noise pollution.
- Loud speakers, plumbing, boilers, generators, air conditioners, fans, and vacuum cleaners add to the existing noise pollution.

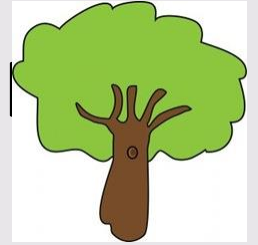




Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

Solutions for Noise Pollution



- Planting bushes and trees in and around sound generating sources is an effective solution for noise pollution.
- Regular servicing and tuning of automobiles can effectively reduce the noise pollution.
- Buildings can be designed with suitable noise absorbing material for the walls, windows, and ceilings.



Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

Solutions for Noise Pollution

Similar to automobiles, lubrication of the machinery and servicing should be done to minimize noise generation.

- Soundproof doors and windows can be installed to block unwanted noise from outside.
- Regulations should be imposed to restrict the usage of play loudspeakers in crowded areas and public places.



Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

Solutions for Noise Pollution

- Community development or urban management should be done with long-term planning, along with an aim to reduce noise pollution.
- Social awareness programs should be taken up to educate the public about the causes and effects of noise pollution.