



SNS COLLEGE OF TECHNOLOGY

Vazhiampalayam, Coimbatore-35

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DEPARTMENT OF CHEMISTRY

COURSE NAME : 19HST101- ENVIRONMENTAL SCIENCE

I YEAR / I SEMESTER

UNIT : 3. ENVIRONMENTAL POLLUTION

TOPIC : 5. NOISE POLLUTION



BRAINSTORMING WITH RECAP

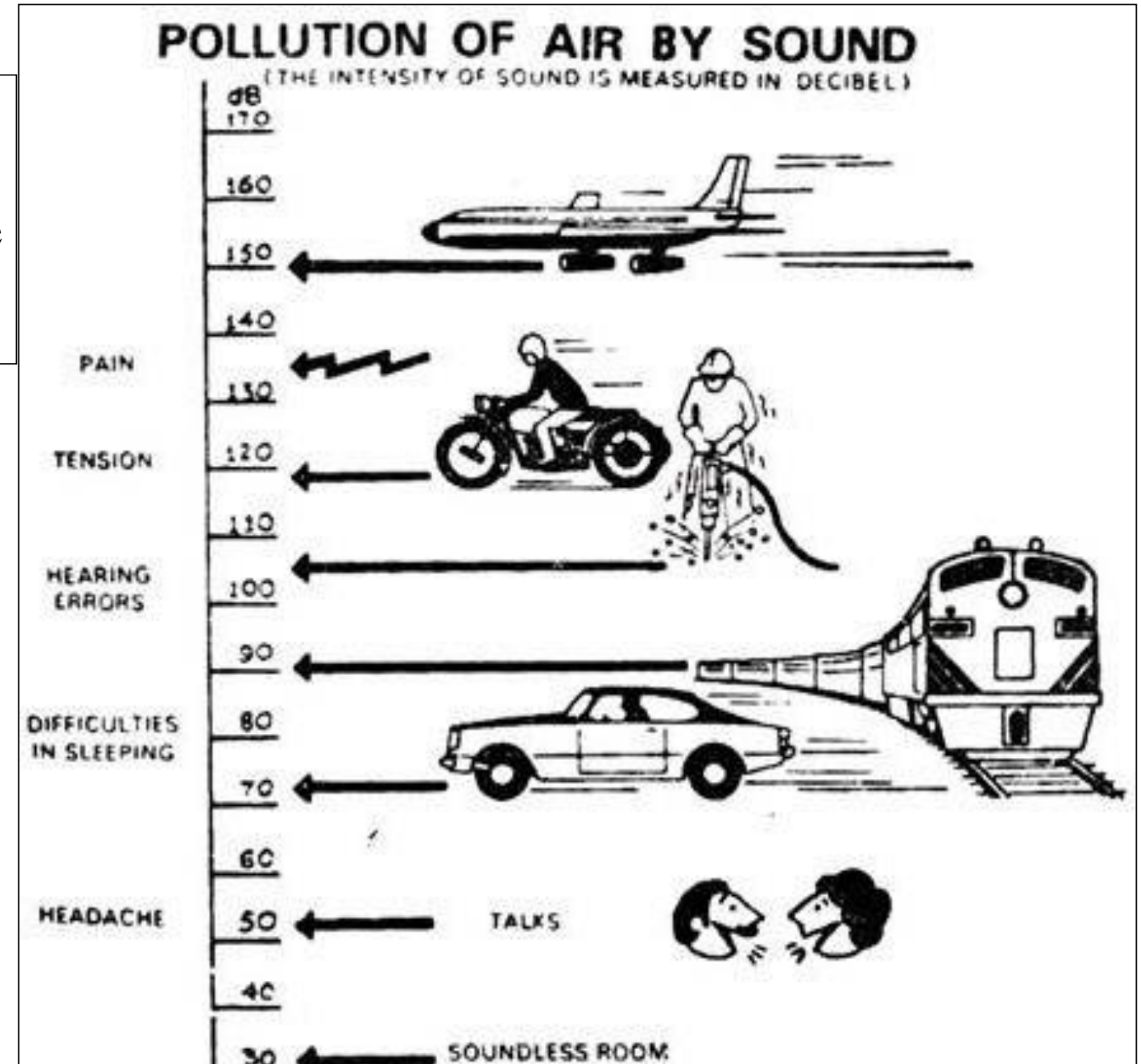
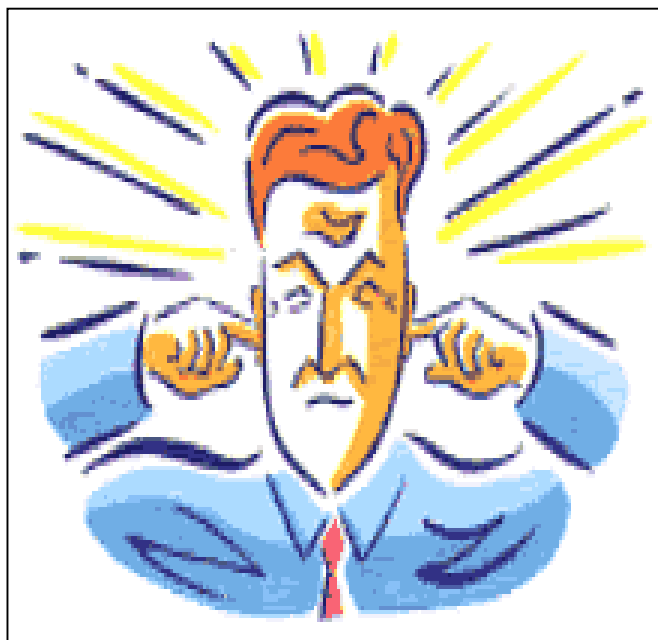


INTRO



- Sound that is unwanted or disrupts one's quality of life
- Sound becomes undesirable when it disturbs the normal activities

- Unit-Decibel





SOURCES



1. Transport noise

Transportation systems are the main source of noise pollution in urban areas.





SOURCES



- 2. Construction of buildings
- Highways & streets cause a lot of noise
- due to the usage of air compressors, bulldozers, loaders, dump trucks
- pavement breakers.

3. Industrial noise also adds to the already unfavorable state of noise pollution.

4. Neighbourhood :

Loud speakers, plumbing, boilers, generators, air conditioners, fans, and vacuum cleaners add to the existing noise pollution.

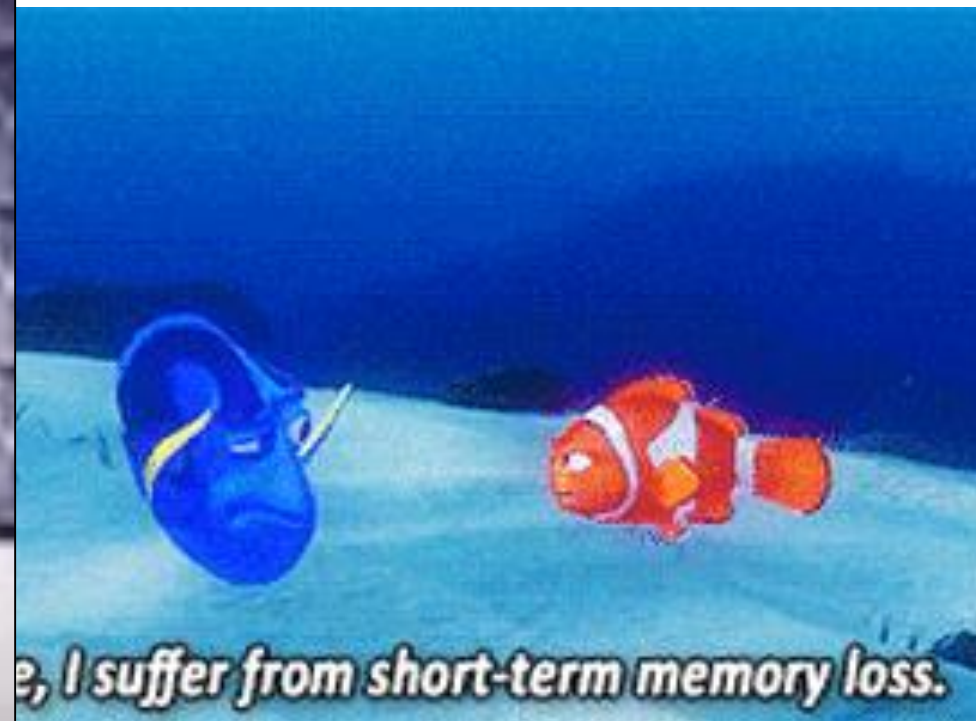




EFFECTS



1. Damage physiological & psychological health.
2. High blood pressure
3. Stress related illness
4. Sleep disruption
5. Hearing loss
6. Productivity loss
7. Memory loss
8. Severe depression
9. Panic attacks.





CONTROL MEASURES



- Automobiles, lubrication of the machinery and servicing should be done
- Soundproof doors and windows can be installed
- Planting bushes and trees in and around
- Regular servicing and tuning of automobiles
- Buildings can be designed with suitable noise absorbing material for the walls, windows, and ceilings.
- Workers should be provided with equipment's such as ear plugs and earmuffs for hearing protection.





Activity



CONTROL MEASURES



- 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.





ASSESSMENT



List out the various sources & effects of noise pollutants



SUMMARY



REFERENCES



1. Dr. A.Ravikrishnan, Environmental science & Engineering” Srikrishna hitech Pub. Co. Ltd,2013.
2. G.Tayer Miller :Environmental Science”, Cenage Learning India Pvt Ltd, 2011.
3. Benny joseph, “Environmental science & engineering” Tata McGraw-Hill.Pub.Co.Ltd. New Delhi.2009.