

Environmental Studies

SOLID WASTE MANAGEMENT

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Section: k22HK

Introduction

Solid waste (SW) can be defined as the material that no longer has any value to the person who is responsible for it and is not intended to be discharged through a pipe. It does not normally include human excreta. It is generated by domestic, commercial, industrial, healthcare, agricultural and mineral extraction activities and accumulates in streets and public places. The words 'garbage,' 'trash,' 'refuses' and 'rubbish' are used to refer to some forms of SW.



ABSTRACT

In this study, solid-waste management practices were evaluated in order to find out its link with occurrence of vector-borne disease. Strategies for solid-waste management were employed as practical model to solve the problems regarding pollution which is originated by solid-waste.

Keywords: Jalandhar, pollution, solid waste, vector-borne diseases

STATUS OF SOLID WASTE - MANAGEMENT IN JALANDHAR

In this comprehensive investigation, Jalandhar city was chosen as a model region of the Punjab province. Besides a dwelled suburban area, the population of this region is around 20 00 000. The city is located almost 375 km from Delhi and about 90 km from Amritsar. Jalandhar is named after Jalandhar, a demon king who lived in water, as suggested by his name. If the name is divided in two parts - JAL and DHAR - JAL means water and DHAR means to live in. The spread of education cannot be overlooked while assessing the progress of a particular society.



Sanitation set up in the Municipal Corporation of Jalandhar

The Health Officer heads the sanitation operation of city supervision of the city. Two chief sanitary inspectors and four sanitary workers, Safai Sewaks, work under the Supervisor.

The organization setup with the number of employees at each level is given in the next page.



Portfolio	No. of officers
Health officer	1
Chief sanitary inspector	2
Sanitary inspector	4
Safai sewak	1400
Safai sewak truck collie	150
Drivers	32
Drivers (three wheelers)	35
Total	1624

Generation of solid waste

The sources of SW are residential, commercial institutional, constructional and demolition, municipal service, industrial, agriculture and dead animals.[3–5] The distribution of the area of the city of Jalandhar in various zones is as shown below:

1. Residential zone - 85%,
2. Industrial zone - 10%,
3. Mixed zone - 5%,
4. No. of large and small factory units - 3500,
5. No. of trade units - 1050,
6. No. of shops - 35 000,
7. No. of electroplating industries - 2,
8. No. of private hospitals - 50 and
9. No. of health centres - 10

A total of 300-400 tonnes of garbage is collected and disposed off daily in the city from the above-mentioned sources.



Health impact of solidwaste

As SW is a major part of environment pollution, it is responsible for spreading many harmful and infectious diseases. The increase in SW is due to an increase in the population. As the population increases, the demand for food and other essentials also increases such that waste is also increased. Some people throw this waste into streets, roads and at other public places, which attracts flies, insects, rats etc., which helps in spreading the diseases. Unattended waste is normally wet and has a bad odour due to decomposition. This type of waste leads to epidemics in various parts of the country.



PUBLIC AWARENESS

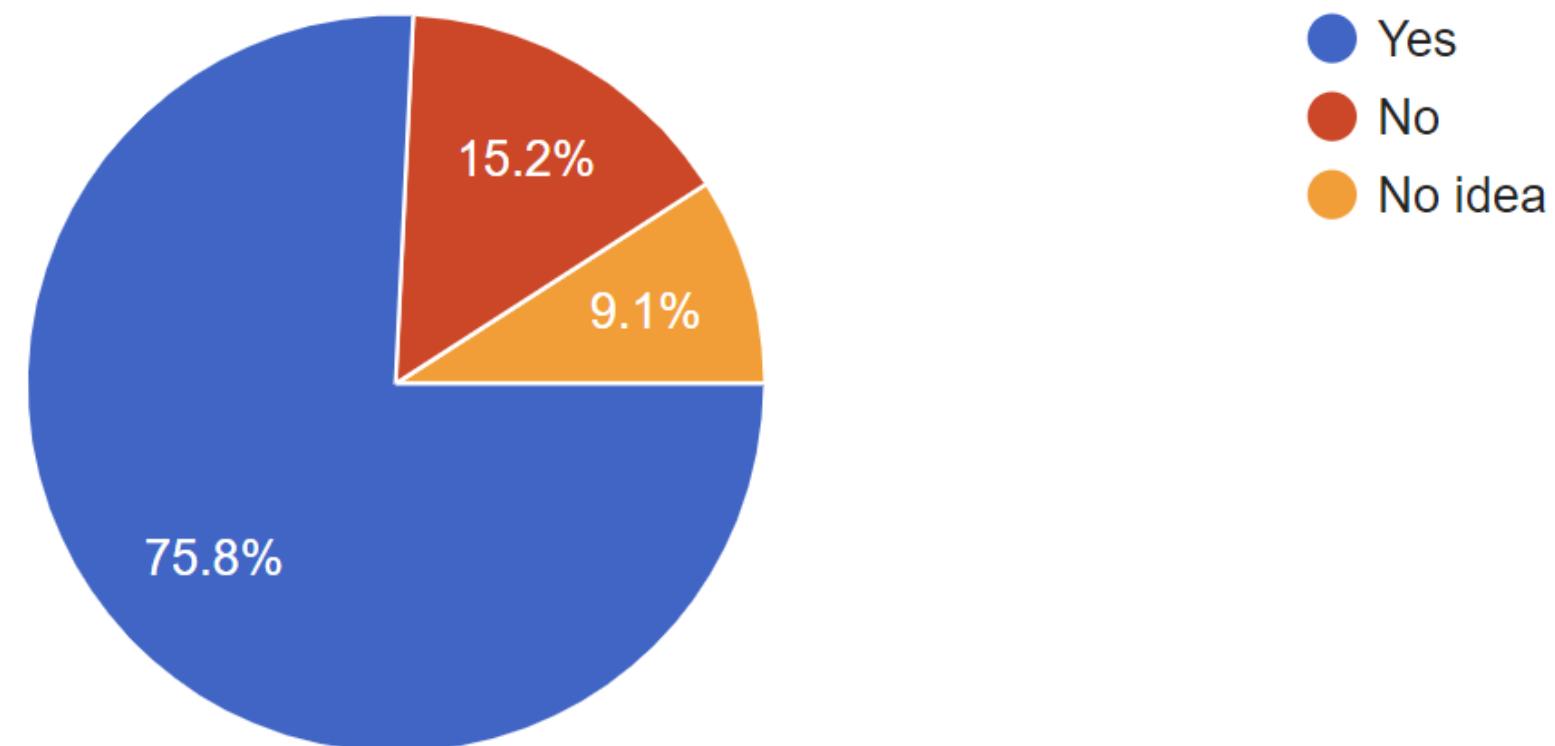
SW generally comes from the residential and commercial areas, for example houses, vegetable markets, hotels, marriage palaces, hospitals, institutions, etc. The public should be made aware by arranging awareness camps that the waste should not be spread on streets, roads, nalis, etc. People should be made aware of the fact that if the waste is properly disposed off from the house then the environmental will not get polluted. Many severe diseases can spread by improper disposal of SW. There should be environmental engineers and public health engineers for the SW management in addition to Health Officers related to community medicines. Qualified engineers will work to overcome the drawbacks of this system. There should be trained collectors who know all the details that required for collecting SW from door to door and from streets, roads, etc.[





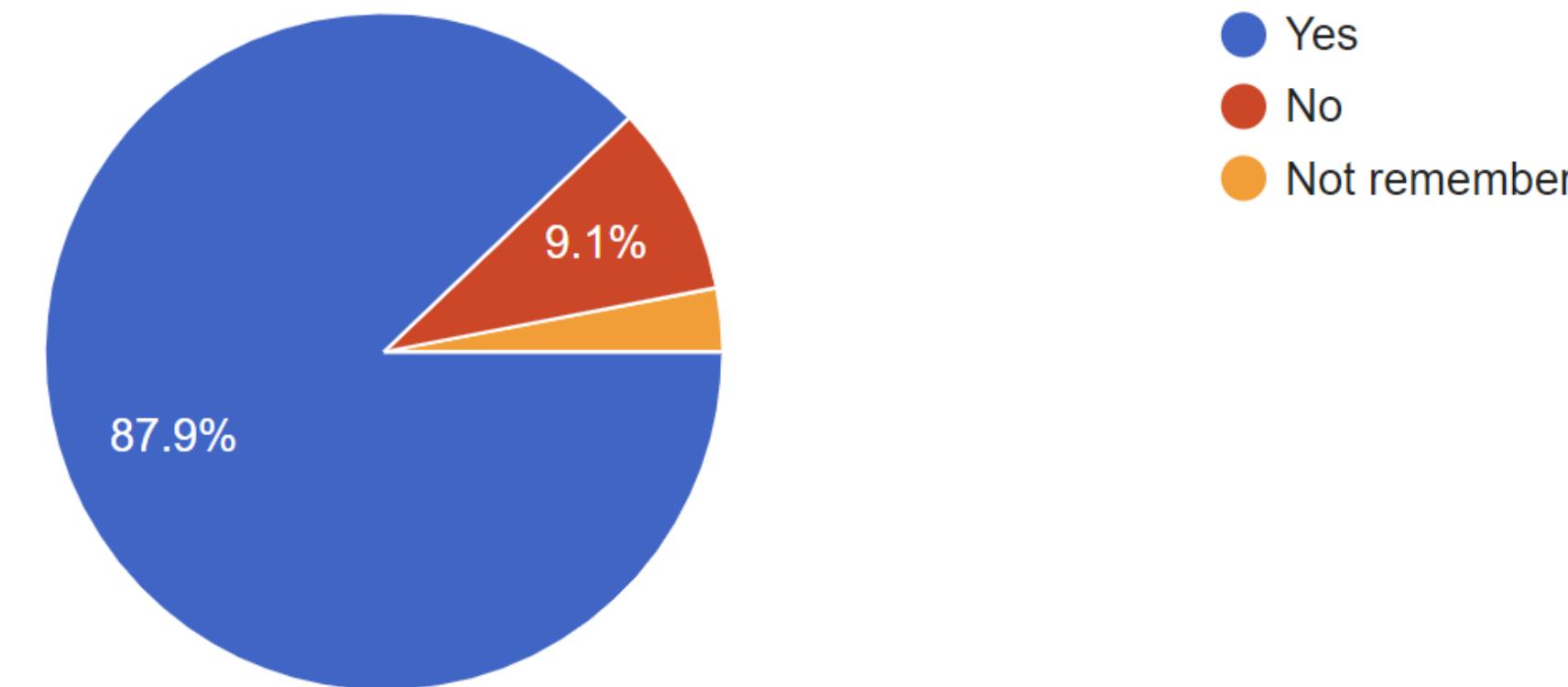
Have you heard about solid waste management?

33 responses



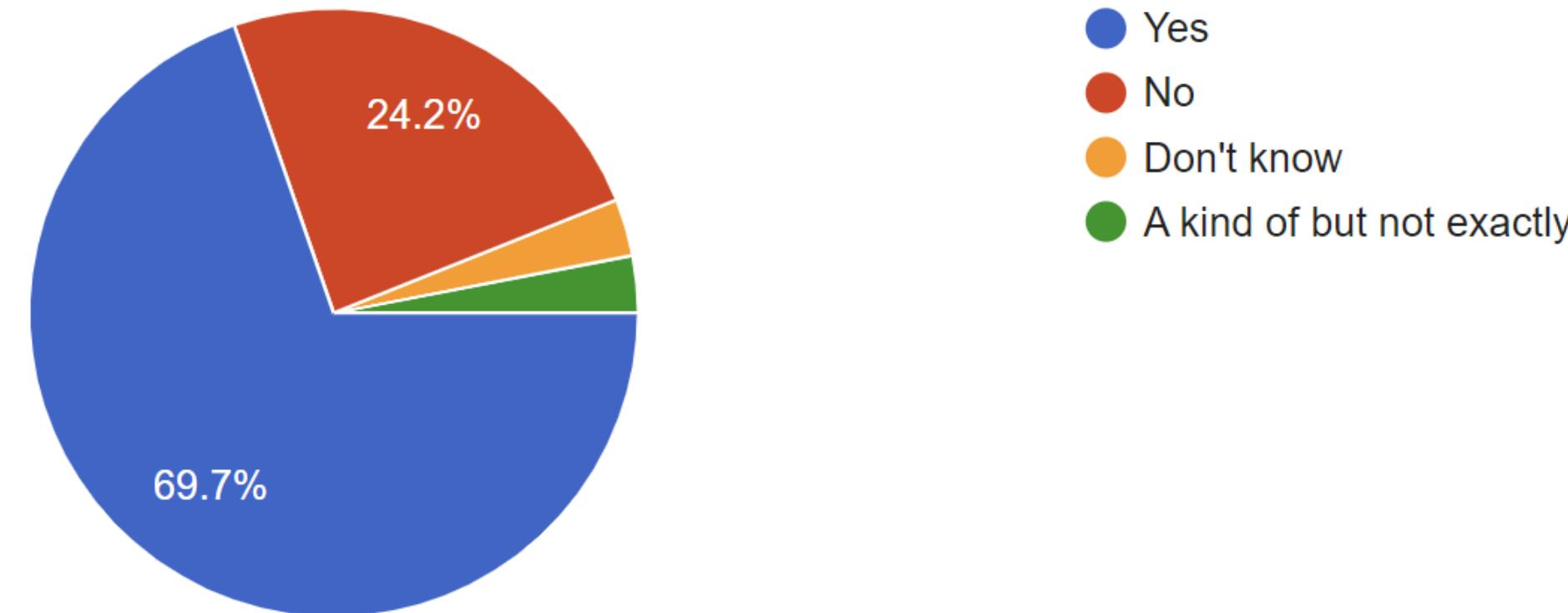
Have you ever heard about the importance of recycling?

33 responses



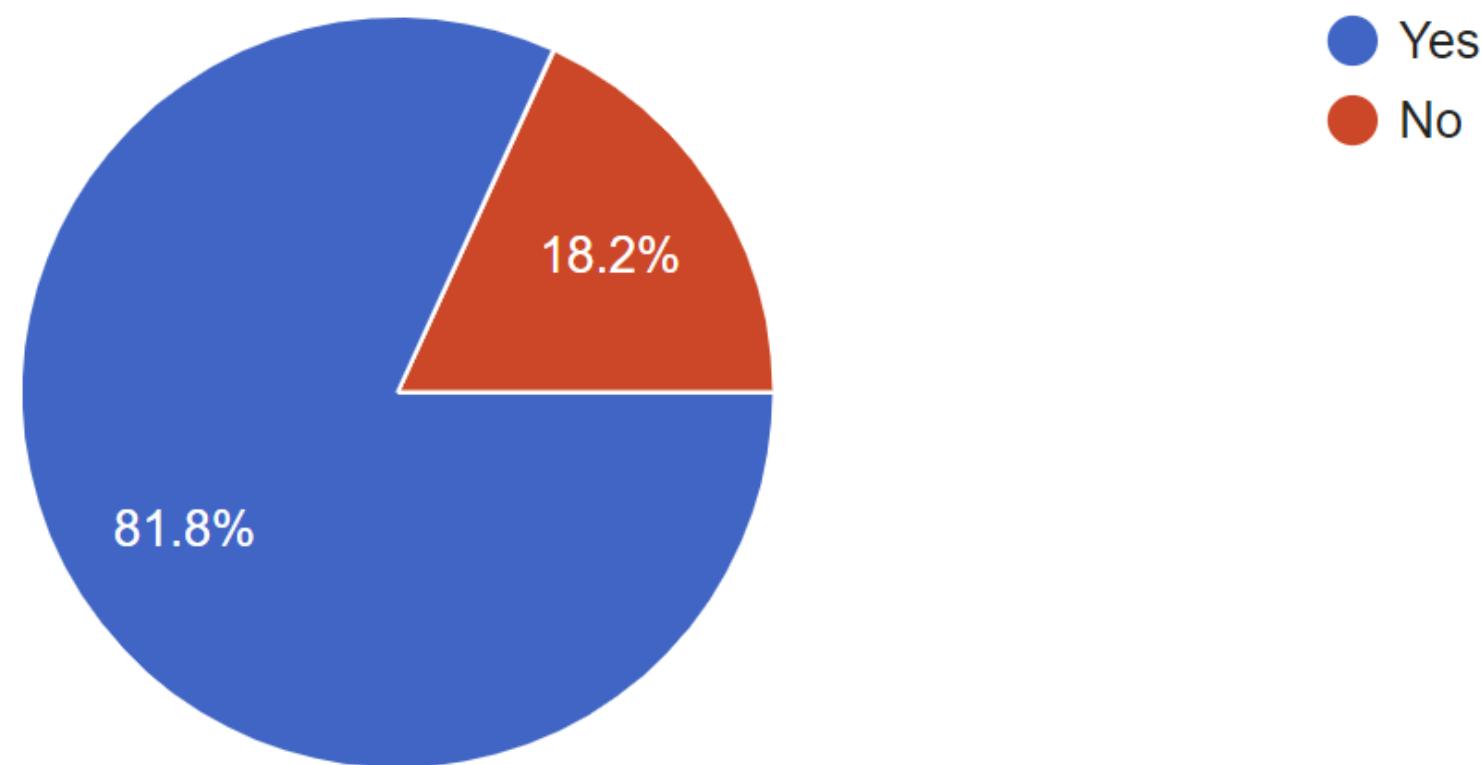
Do you think the waste disposal method is a problem in your neighborhood?

33 responses



Are there any public bin near your house

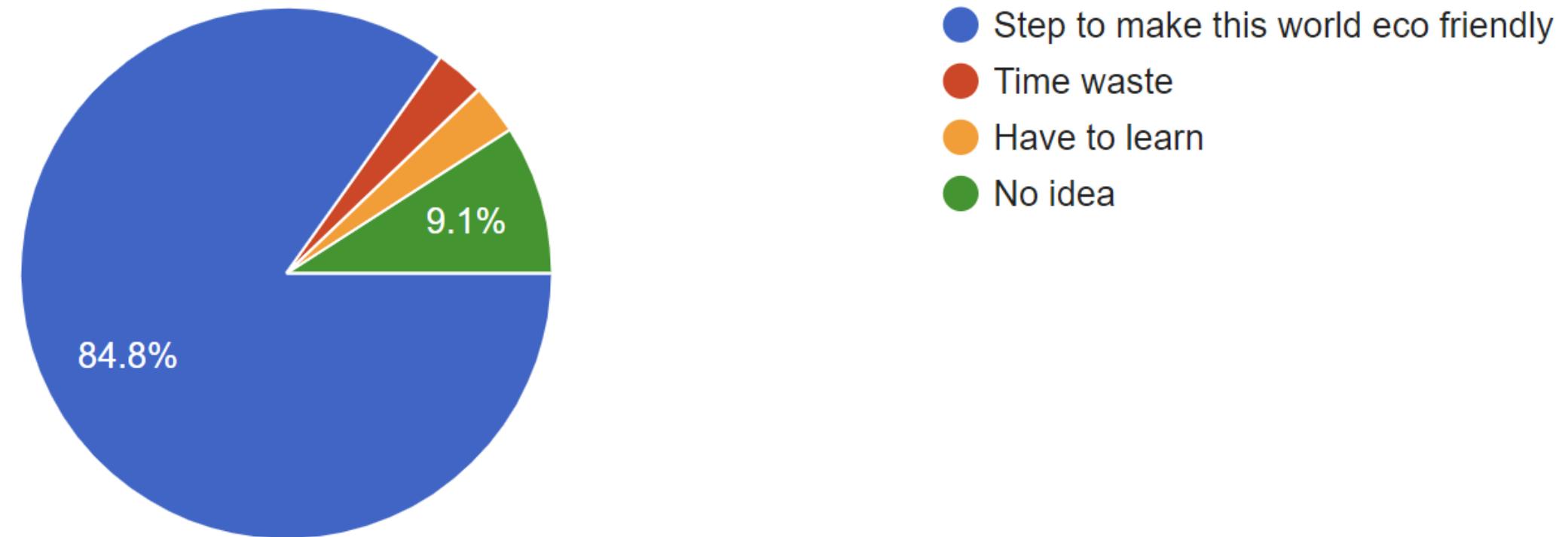
33 responses



What do think of solid waste management?



33 responses





thank you

