

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ  
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ  
КАФЕДРА ІНОЗЕМНИХ МОВ  
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ ІХ МІЖВУЗІВСЬКОЇ  
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ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ  
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## THE ALTERNATIVE VARIANTS OF PROCESSING OF THE WASTES

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During the last two decades the population of Ukraine has decreased almost to 6 million people (or 12%) from the number of 51 million people in 1990, though the amount of consumer rubbish has been accumulating and increasing. For example, during last 10 years the amount of consumer rubbish, the wastes of the vital functions of every citizen in Ukraine has increased for 40%. Ukraine takes the first place in the world for the amount of rubbish per a person. In order to decompose paper in the environment it takes from 2 to 10 years, a cigarette takes a 100 years, a plastic bag – over 200 years and glass takes over 1000 years.

There are such alternative variants of utilizations of wasting in the world being used in our country:

- The separate sorting of rubbish (sorting at home and two-container sorting).
- The utilization of hard consumer wastes and building scrap (extracting gas).
- Burning, but more number of European countries refuses the given variant of the utilization of rubbish because it is ecologically dangerous, but if one sorts the wastes and then bring the sorted rubbish to the rubbish ground, it decreases the degree of danger to the health of population.

There is only one sorting complex «The Green.Co» in our country. One can decide a lot of such important tasks as the economy of the raw materials, the prevention of the pollution of reservoirs, soil and air basin, increasing of volumes of details and goods and putting the new goods for enterprises into production.

The experts point out the hard consumer wastes to be the real alternative to the fuel resources. The centres of energy utilization of waste product let Europe save billions litres of oil and gas every year. One ton of waste products is equal to 200 litres of diesel fuel.

One of the tendencies of the waste products usage is applying them while building the roads.

The method of producing the glass-ceramic goods for facing the floors and walls is worked out in the USA. This technology foresees using pieces of glass of any colors and forms without their purifying of labels, metal and other mixtures. The received material looks like a marble.

The perspective means of hard consumer wastes utilization is extracting gas. The broad putting into practice of gas-generative technologies will let solve two problems at the same time: to clean the vast territories of hard consumer wastes and utilize them with a purpose of getting energy. Nowadays the society encountered the important problem – electronic wastes. Their processing can be reached by reusing and modernization. Ecological and social benefits of reusing include the decrease of demand to the new production and the decrease of usage the raw materials, the decrease of amount of pure water and electricity for production, the decrease of production of wastes at the dumps.

The state must use such economy instruments as to decreasing of wastes formation.

- The scheme “Pay as much as you throw the wastes”. It forsees the payment the services of the companies, which deal with removing and utilizing of wastes, according to the weight of wastes.
- Assignment/cutting the tax rate to burying and removing of wastes to the sum spent by the household and other household subjects to processing minimization of wastes to the sources.
- Burying utilization or/and transporting of wastes taxes. The taxes have a fixed rate.
- “The plans as to avoiding waste formation. They let point out the most economy effective ways of forming the wastes.
- “Goods certificates”. It this or that consumer produces lesser amount of wastes he can sell his quota to the other consbmers.