

Дата:19.01.2024

Група № 2Б-1

Friday, the 19th of January

Classwork

Lesson 4-5

Topic: Types of Buildings

Мета уроку: Ознайомити учнів з новою лексикою теми. Вдосконалювати навички усного мовлення та письма. Розвивати культуру спілкування та мовленнєву реакцію учнів.

Матеріал уроку:

1. Запам'ятайте значення наступних слів і словосполучень для кращого розуміння тексту.

building industry	будівельна промисловість
managerial staff	керівний апарат
industrial construction	промислове будівництво
technological advance	технічний прогрес
off-site prefabrication	заводське виготовлення
office buildings	службові будівлі
storage faculties	складські приміщення
site planning	планування робіт на будівельному майданчику
prefabricated structures	збірні конструкції
present-day design	сучасне проектування
kitchen and sanitary fittings	санітарне устаткування
a food-processing plant	харчовий комбінат

2. Прочитайте і перекладіть текст .

In technically developed countries the building industry, comprising skilled and unskilled workers in many trades, building engineers and architects, managerial staff and designers, employs a considerable proportion of the available labour force.

Building industry including residential, public and industrial construction holds a considerable place in the country's economy and is being carried out on a large scale. It is the largest industry in the economy of any country. The problems of construction have grown into major, political issues in most countries.

Housing is prominent among the factors affecting the level of living. The improvement of the housing represents a concrete and visible rise in the general level of living. In many countries residential construction has constituted at least 12 per cent and frequently more than 25 per cent of all capital formation. Since in the Ukrainian home building industry is the concern of the state the research and development in housing technology is carried out on a national scale and is

being paid much attention to.

The ever growing housing demands have brought to life new methods of construction with great emphasis upon standardization, new levels of technological advance utilizing such techniques as off-site prefabrication, precasting, use of reinforced concrete panels and large-scale site planning. At present, prefabricated structures and precast elements may be classified into two principal groups – for residential houses and industrial buildings.

Present-day designs for residential construction envisage all modern amenities for a dwelling, they advocate larger, better built and better equipped flats and houses. There is a marked improvement in the heating and ventilating systems as well as in hot-water supply, kitchen and sanitary fittings. Many tenants now can afford better furnishings, refrigerators, washing machines, etc. A house which is a physical environment where a family develops is acquiring a new and modern look.

Industrial buildings comprise another significant type of construction. This type of construction involves factories, laboratories, food-processing plants, mines, office buildings; stores, garages, hangars and other storage facilities, exhibition halls, etc.

Each of these functions demands its own structural solution and techniques. But in general they may be divided into two classes according to whether the plan must give greater attention to the size and movement of machinery or of persons. The building techniques (by techniques we mean building materials and methods) depend upon the types of buildings.

Modern industrial buildings have demonstrated the advantages of reinforced concrete arches, metal frames, glass walls and prefabricated standardized mass produced parts. Steel was gradually substituted for iron and permitted wider rooms and larger windows. Windows can be enlarged to the extent that they constitute a large fraction of the wall area.

3. Вкажіть, які з поданих нижче речень, розкривають основну думку тексту.

1. In our country home building industry is the concern of the state.
2. The building industry comprises skilled and unskilled workers in many trades.
3. Building industry which includes residential, public and industrial construction is being carried out on a large scale and it has brought into being new methods and techniques.
4. There is a marked improvement in the heating and ventilating systems as well as in hot-water supply.

4. Розташуйте подані нижче речення послідовно викладу тексту.

1. The functions of industrial buildings.
2. New methods of housing.
3. Present-day design for residential construction.
4. The advantages of reinforced concrete for modern industrial buildings.
5. Building industry and national economy.

5. Вкажіть, які з поданих нижче речень належать до опису житлових будівель, а які – промислових. Згрупуйте речення за запропонованими темами.

1. In many countries residential construction has constituted at least 12 per cent of all capital formation. 2. The problem of housing has grown into a major, political issue in most countries. 3. Industrial buildings comprise another significant type of construction. 4. Modern buildings have demonstrated the advantages of reinforced concrete arches, total frames and glass walls. 5. The differing functions of industrial buildings require their own structural solutions and techniques. 6. Present-day designs for housing envisage all modern conveniences and sanitary fittings. 7. Buildings may be divided into two classes according to whether the plan must give greater attention to the size and movement of machinery or of persons. 8. Windows can be enlarged to the extent that they constitute a large fraction of the wall area. 9. A house which is a physical environment where a family develops is acquiring a new and modern look.

6. Доповніть незакінчені речення за змістом тексту одним із запропонованих варіантів (a, b, c).

1. Modern industrial buildings have demonstrated the advantages of...
 - a) hot-water supply and panel heating;
 - b) reinforced concrete arches, metal frames, glass walls and prefabricated parts;
 - c) all modern conveniences for a dwelling.
2. Industrial type of construction involves...
 - a) better built and better equipped flats and houses;
 - b) theatres, cinemas, museums, libraries, etc.;
 - c) factories, food-processing plants, mines, office buildings, stores, etc.
3. Present-day designs for residential construction envisage ...
 - a) movement of machinery and persons;
 - b) application of metal frames and glass walls;
 - c) all modern conveniences including hot-water supply and panel heating.

Усі виконані завдання надсилайте на електронну адресу gr.ev@ukr.net з підписом у темі листа «ПБ, № групи та назва навчальної дисципліни».