

Тема: Строительные материалы

Topic: **Building materials**

**Рекомендации по выполнению заданий**

**Lesson instructions.**

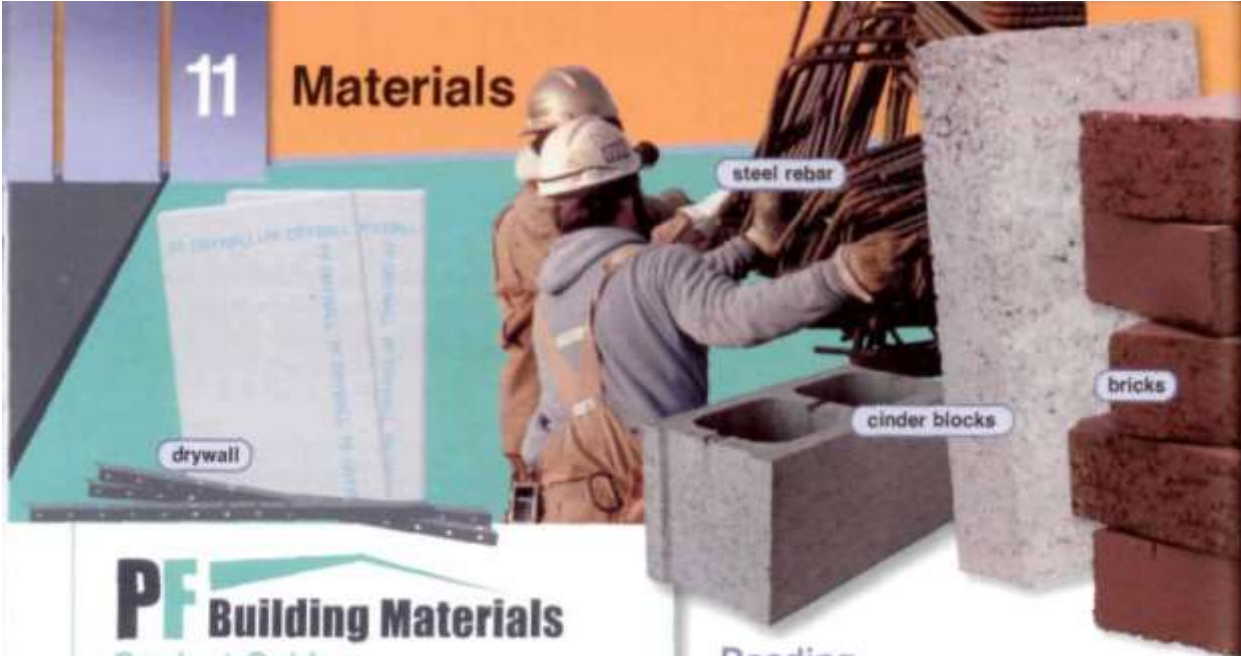
1. Write down underlined words from the text
2. Make exercises 1, 2, 3, 4 in written
3. Read and translate the text “Modern building materials”. Ask 6 questions

**домашнее задание**

**homework:**

Guess the crossword “Materials”

выполненные задания отправляйте на электронную почту: [Sveetlana-mokrova@mail.ru](mailto:Sveetlana-mokrova@mail.ru)



## PF Building Materials

### Product Guide

PF Building Materials has a product for every building need.

**Concrete:** We sell cement in 40 kilogram bags for mixing. We also have pre-made **cinder blocks** for load-bearing walls.

**Steel:** Steel **rebars** are available in two meter segments.

**Lumber:** Lumber is available in all standard dimensions.

**Drywall:** Drywall is the ideal material for walls of new rooms. Panels are 120 cm wide.

**Bricks:** We have a variety of decorative bricks for exterior walls and walkways. They are sold individually or by the pallet.

**Glass:** Sheets of glass for windows and doors can be cut to any size.

**Flooring:** We have a wide selection of flooring tiles available. They are made from **plastic, rubber, stone, and other materials.**



### Get ready!

1 Before you read the passage, talk about these questions.

- 1 What are some different building materials?
- 2 What material can be used to reinforce a concrete structure?

### Reading

2 Read the flyer for a materials supplier. Then, mark the statements as true (T) or false (F).

- 1 What is the main idea of the article?
  - A the strongest building materials
  - B which materials a supplier offers
  - C types of materials to use in walls
  - D ways to reduce building materials costs
- 2 How is drywall sold?
  - A in any size
  - B by the pallet
  - C in 2 meter segments
  - D in 120 cm wide panels
- 3 Which of the following is NOT a material for flooring tiles?
  - A stone
  - B rubber
  - C plastic
  - D glass

### Vocabulary

3 Match the words (1-5) with the definitions (A-E).

- |              |            |
|--------------|------------|
| 1 — concrete | 4 — brick  |
| 2 — glass    | 5 — lumber |
| 3 — flooring |            |

- A a building material made of rectangular blocks of hardened clay
- B a mix of cement, water, gravel, and sand used as a building material
- C processed wood used as a building material
- D material used in floors
- E a solid, breakable, and transparent material often used to make windows

- 4 Read the sentence pair. Choose where the words best fit the blanks.

1 rebar / cinder blocks

- A There are several \_\_\_\_\_ running through this concrete wall to support it.  
B Stack those \_\_\_\_\_ to form a wall.

2 plastic / drywall

- A These bathroom floor tiles are made of \_\_\_\_\_.  
B Install \_\_\_\_\_ in the new room.

3 rubber / steel

- A \_\_\_\_\_ bars give this building a very solid frame.  
B The contractor will install a \_\_\_\_\_ floor in this gym.

- 5 Listen and read the flyer for a materials supplier again. What are materials that can be used in floors?

## Listening

- 6 Listen to a conversation between a clerk and a customer. Mark the following statements as true (T) or false (F).

- 1 \_ The woman is adding a porch to her front yard.  
2 \_ The company sells lumber by the yard.  
3 \_ The woman needs a pallet of bricks.

- 7 Listen again and complete the conversation.

Customer: Hello. I'd like to 1 \_\_\_\_\_ for some lumber and brick. I'm adding a deck to my backyard.  
Clerk: Certainly. What 2 \_\_\_\_\_ do you need, and how much?  
Customer: You sell it by the 3 \_\_\_\_\_, don't you?  
Clerk: 4 \_\_\_\_\_.  
Customer: Good. I'll need twenty planks that are ten yards each. Also, how many red clay bricks are on 5 \_\_\_\_\_?  
Clerk: There are 6 \_\_\_\_\_ standard size bricks on a pallet.

## Speaking

- 8 With a partner, act out the roles below based on Task 7. Then, switch roles.

### USE LANGUAGE SUCH AS:

*I'd like to place an order for ...*  
*What size of ...*  
*You sell it ..., don't you?*

**Student A:** You are a customer. Talk to Student B about:

- ordering building materials
- how the company sells the materials
- how much of the materials you need

**Student B:** You are a clerk for a building material company. Talk to Student A about ordering materials.

## Writing

- 9 Use the flyer and the conversation from Task 8 to fill out the order invoice.



PF Building Materials

## Order Invoice

Customer: \_\_\_\_\_

Item ordered: \_\_\_\_\_ Quantity: \_\_\_\_\_

\_\_\_\_\_

Order ready: \_\_\_\_\_

## Read, translate the text and ask 6 questions

### Modern Building Materials.

Some of the most important building materials are: timber, brick, stone, concrete, metal, plastics and glass.

*Timber* is provided by different kinds of trees. Timbers used for building purposes are divided into two groups called softwoods and hardwoods. Timber is at present not so much used in building construction.

A *brick* is best described as a "building unit". It may be made of clay by moulding and baking in kilns, of concrete, of mortar or of a composition of sawdust and other materials. In shape it is a rectangular solid. There exists variety of bricks for different purposes: ordinary, hollow or porous, lightweight, multicolor bricks for decorative purposes, etc.

Sometimes natural stones such as marble, granite, basalt, limestone and sandstone are used for the construction of dams and foundations. Marble, granite and sandstone are widely used for decorative purposes as well, especially with the public buildings.

*Plastics* are artificial materials used in construction work for a vast number of purposes from the laying of foundation to the final coat of paint. Synthetic resins are the main raw material for plastics. Plastics have some good advantages as they are lighter than metals, not subject to corrosion, and they can be easier machined. Besides, they are inflammable, they can take any color and pattern, and they are good electrical insulators. More over, they possess a high resistance to chemical action.

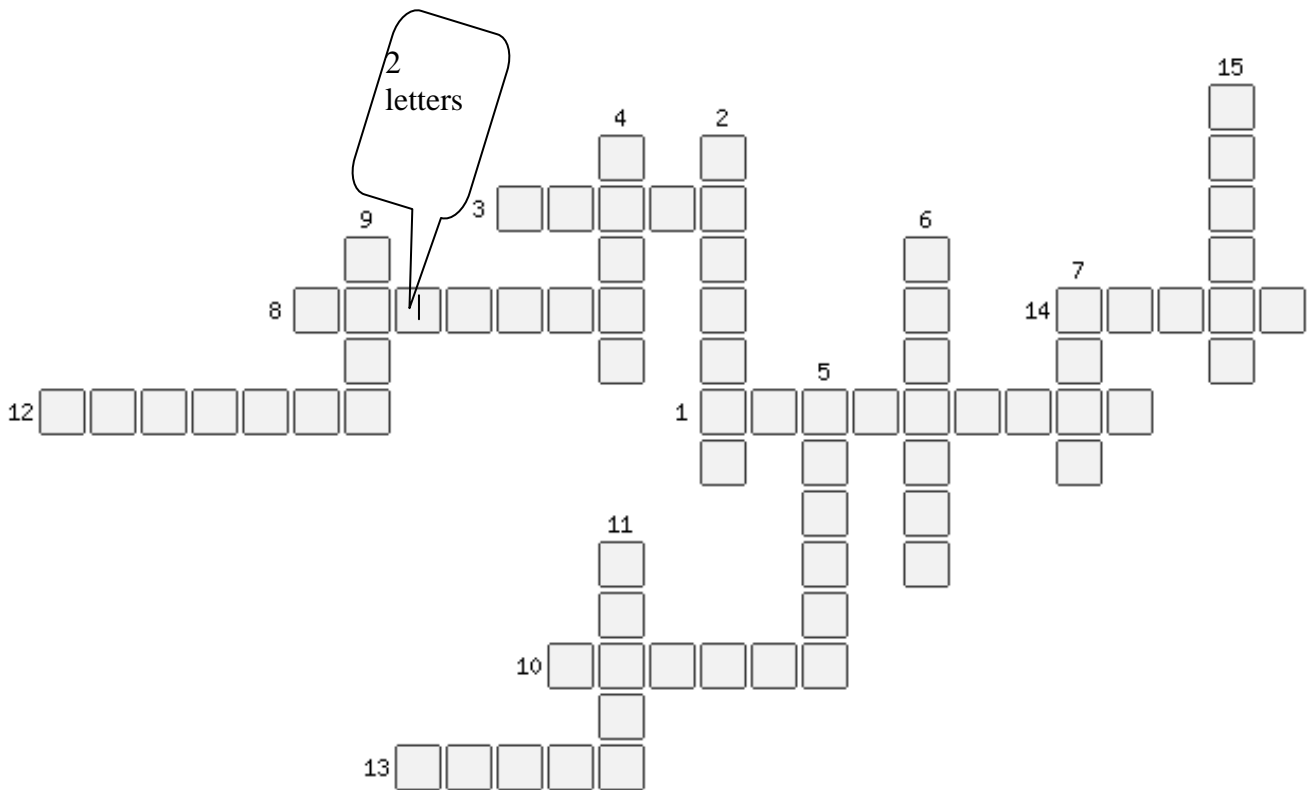
*Laminate* is a strong material manufactured from many layers of paper or textile impregnated with thermosetting resins. Laminate has been developed for both inside and outside use. It resists severe weather conditions for more than ten years without serious deformation.

*Foamed glass* is a high-porosity heat insulating material, available in block made of fine-ground glass and a frothing agent.

Foamed glass is widely used in prefabricated house building, to ensure heat insulation of exterior wall panels, and in industrial construction.

## Materials.

### Guess the crossword



1. It is a very common sedimentary rock consisting of calcium carbonate (more than 50%).
2. a board made of plaster and covered in paper.
3. it is a simple common compound essential to life.
4. a metal that is made from combining iron and carbon
5. mixture used to hold bricks or stones together
6. it is a building material used for coating walls and ceilings.
7. it is millions of tiny, little rocks.
8. it is a compound made from sand, gravel, and cement.
9. it is a building material that is made from trees.
10. it is a reddish brown nonferrous mineral which has been used for thousands of years by many cultures.
11. a piece of material that is solid with flat surfaces on each side.
12. a board made of thin layers of wood glued together
13. a block of clay that is baked until it is hard
14. it is a solid non-metallic mineral that is made from a rock.
15. it is a binder, a substance used in construction that sets, hardens and adheres to other materials, binding them together.