

Construction Materials I

Warm-up!

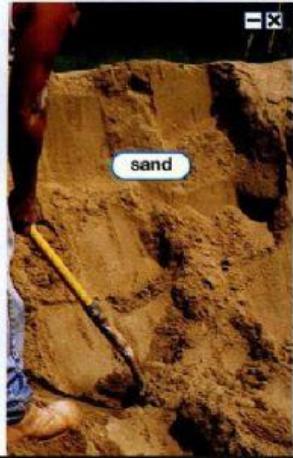
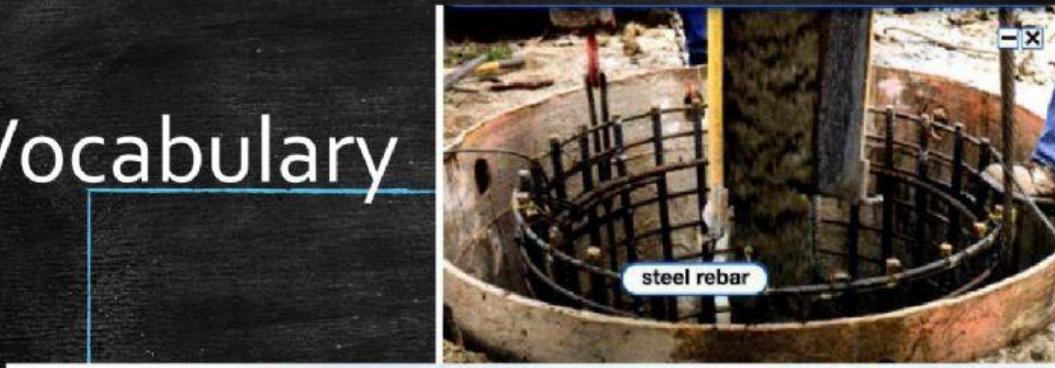
Concrete for blocks
Wood for a cottage
Steel frame
Glass for the windows
or doors

Get ready!

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

- 1 What are some common building materials?
- 2 How are different materials commonly used in structures?

Vocabulary



LIVE WORKSHEETS

Reading

2 Read the webpage. Then, choose the correct answers.

- 1 What is the purpose of the webpage?
 - to list available building materials from a company
 - to recommend building materials for particular projects
 - to advertise sale prices for building materials
 - to describe manufacturing processes for building materials
- 2 According to the webpage, which of the following is NOT true of bricks?
 - They are fire resistant.
 - They have a contemporary appearance.
 - They require little maintenance.
 - They withstand bad weather
- 3 What service does the webpage offer?
 - delivering I-beams to construction sites
 - constructing brick buildings
 - installing stone floors and walls
 - making custom-length rebar

The screenshot shows a webpage with a blue header bar. The header includes a logo with three colored dots (red, yellow, green), and menu items: HOME, ABOUT US, SERVICES, and CONTACT. The 'ABOUT US' item is highlighted with a cursor. Below the header, the text 'Welcome to BuildersChoice.com!' is displayed in a large, bold font. A sub-headline reads 'Builder's Choice is the #1 source for materials, including ...'. There are three main sections with dropdown menus: 'Cements & Aggregates' (describing concrete mixtures), 'Bricks & Mortar' (describing low-maintenance bricks), and 'Natural & Manufactured Stone' (describing granite, marble, slate). A sidebar on the right is titled 'LIVE WORKSHEETS'.

HOME ABOUT US SERVICES CONTACT

Welcome to BuildersChoice.com!

Builder's Choice is the #1 source for materials, including ...

Cements & Aggregates

Mix your own **concrete** with our **sand**, gravel, and cement, or choose our ready-mixed concrete. We'll even deliver it to your site!

Bricks & Mortar

Low-maintenance bricks resist weather and fire. Unlike many contemporary styles, traditional bricks have a timeless, classic appearance.

Natural & Manufactured Stone

Granite, marble, slate — we have it all! Construct durable floors and walls. Enhance your architectural features with decorative stone.

Metal Beams & Bars

Our **steel I-beams** are 98% **iron** and 2% carbon. They're built to last! Our rods of **rebar** come in 20, 40, and 60 feet. We also provide custom cuts.

LIVE WORKSHEETS

Vocabulary

3 Match the words (1-8) with the definitions (A-H).

1 <input type="text"/> iron	4 <input type="text"/> rebar	7 <input type="text"/> cement
2 <input type="text"/> steel	5 <input type="text"/> sand	8 <input type="text"/> mortar
3 <input type="text"/> metal	6 <input type="text"/> concrete	

A metal pieces that builders put in concrete to make it stronger
B a material composed of iron and carbon
C a mixture of water, sand, and lime that helps bricks stay together
D a grainy substance composed of tiny rock particles
E a powder made up of sand and gravel
F a material used to make steel
G a hard substance made with aggregate and cement
H a hard, shiny, malleable material

Cement vs. Concrete vs. Mortar

- Binding element in both concrete & mortar	- Made of cement, sand, & gravel	- Made of cement & sand
- Made of limestone, clay, shells, & silica sand	- Used for building: foundations, slabs, patios, & masonry	- Used as the glue to hold bricks, blocks, etc. together
- Sets & hardens when combined with water	- Most flexible, forming into any mold & rock hard	- Various types available for specific applications



4 Choose the sentence that uses the underlined part correctly.

- 1 A To make concrete, the builders use different types of metal.
B The second floor is supported by I-beams.
- 2 A Rebar is often used for decoration.
B Aggregate is a mixture of sand, gravel, and broken stones.
- 3 A They made the floor with a stone called granite.
B Steel is a very unstable material.
- 4 A Sand is mostly made up of iron.
B Fire does not destroy walls made of bricks.

5

 Listen and read the webpage again.
What are the benefits of using bricks?

