

MATERIALS




7.1. Vocabulary




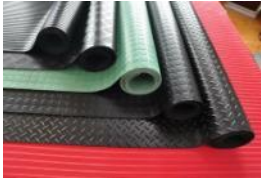

Ex. 1. Name the following elements of the periodic table in English.

1. Cu

2. Fe

Ex. 2. Match the words with their definitions.

<p>1. brass - латунь</p> 	<p>a. a reddish-brown metal that is an excellent conductor of electricity and heat, widely used in electrical wiring and plumbing</p>
<p>2. cast iron - чугуn</p> 	<p>b. a strong and durable alloy of iron and carbon, often used in construction, manufacturing, and transportation industries</p>
<p>3. chrome - хром</p> 	<p>c. a ceramic material made by heating materials such as clay at high temperatures, known for its strength, translucency, and ability to hold intricate designs, often used in the production of tableware and bathroom fixtures</p>
<p>4. copper - медь</p>	<p>d. a shiny metallic element that is resistant to corrosion, commonly used as a plating material for decorative</p>

	<p>purposes</p>
<p>5. plastic - пластик</p> 	<p>e. a flexible and elastic material derived from the sap of certain plants or produced synthetically, used in the manufacturing of tires, hoses, and various other products requiring elasticity</p>
<p>6. porcelain – фарфор</p> 	<p>f. a hard and brittle alloy of iron, carbon, and silicon, known for its excellent heat retention properties and used in the production of cookware and engine parts</p>
<p>7. rubber - резина</p> 	<p>g. a type of steel alloy that contains chromium, which provides resistance to rust and corrosion, widely used in kitchen appliances, cutlery, and medical equipment</p>
<p>8. stainless steel — нержавеющая сталь</p> 	<p>h. a yellowish alloy of copper and zinc, often used for making musical instruments or decorative items</p>
<p>9. steel - сталь</p>	<p>i. a synthetic material made from polymers that can be molded into various shapes</p>



and forms, commonly used in the production of containers, toys, and household items

7.2. Reading

Ex. 1. Read the text.

Common Materials Used For Plumbing

Galvanized Material

The most common type of material used for construction include galvanized material. They are found within a structure and prevent the pipes from destruction. Galvanized pipes are used to prevent the pipes from corrosion. These prevent the pipes from corrosion. The galvanized pipes can last for longer periods of time, and they prevent corrosion. However, these pipes are still subject to chipping and destruction. They are heavy and can cause hazards. So, galvanized pipes are some of the common plumbing materials used in construction work. You can use galvanized pipes in your homes for construction.

Copper

The most common type of material used for construction. They have been used as plumbing materials since 1960. It is one of the most common materials used for the purpose of construction. These are some of the common materials used for construction. Copper piping can last for 50 years. They withstand greater amounts of pressure. Copper piping can bear both hot and cold temperatures. They are not able to freeze during winter. Copper is an expensive material, so it requires additional fighting for the purpose of preservation. It requires protection from thieves and additional fitting charges. It is one of the most common materials used when you are thinking about what are the materials used in plumbing.

Stainless Steel

Stainless Steel is beneficial for piping work. However, it is generally overlooked. It is not preferred for use in construction work. But it also

has some advantages. Stainless steel is strain and corrosion-resistant. It also has durability. Therefore, it serves as a good plumbing material for construction. However, stainless steel is a heavy material and is fit for use in coastal areas or places that require thermal conductivity. But if these conditions do not apply to you, then stainless steel is not the preferred option for you. So, choose the material which suits your needs.

PVC or Plastic Material

PVC or polyvinyl chloride is the common plumbing material used for plumbing and construction work. It is a safe, and non-corrosive plumbing material used for construction work. It is a reliable material used for construction. So you can choose this material for construction purposes. PVC pipes are easily constructed and show resistance to corrosion and high water pressure. PVC pipes are commonly used in vent pipes, sanitary lines, and traps for draining. But the PVC piping is not suitable for high water pressure. This is one of the most common materials used for construction. You can use PVC material for plumbing work.

Ex. 2. Choose the correct answer.

1. What is the most common type of material used for construction?

A. Galvanized material

B. Copper

C. Stainless steel

D. PVC or plastic material

2. What is the advantage of using galvanized pipes?

A. They prevent corrosion.

B. They are heavy and durable.

C. They can last for longer periods of time.

D. They are not subject to chipping and destruction.

3. How long can copper piping last?

A. 10 years

B. 20 years

C. 50 years

D. 100 years

4. What is the disadvantage of using stainless steel as a plumbing material?

A. It is strain and corrosion-resistant.

B. It is not preferred for use in construction work.

C. It is heavy and suitable for coastal areas.

D. It requires additional fitting charges.

5. What is PVC or polyvinyl chloride commonly used for in plumbing?

A. Vent pipes

B. Copper piping

C. Galvanized material

D. Stainless steel

6. What is the advantage of using PVC material for plumbing work?

A. It is safe and non-corrosive.

B. It is heavy and durable.

C. It is strain and corrosion-resistant.

D. It is suitable for high water pressure.

7. Which material should you choose for construction purposes if you don't require thermal conductivity?

A. Galvanized material

B. Copper

C. Stainless steel

D. PVC or plastic material

Ex. 3. *Make a short summary of the text.*

7.3. Communication

Ex. 1. Make sentences using the following words.

1. brass/instruments/metal
2. cast iron/heavy/cooking
3. chrome/shiny/bathroom
4. copper/electricity/heat
5. plastic/lightweight/material
6. porcelain/delicate/dishes
7. rubber/flexible/tires
8. stainless steel/rust/stains
9. steel/strong/construction

7.4. Writing

Ex. 1. Write an essay on one of the following topics:

1. Copper pipes are the best material for plumbing. What do you think?
2. Plastic pipes are more convenient than metal pipes for plumbing. Do you agree?
3. Some people believe that PVC pipes are better than copper pipes for plumbing. Do you agree or disagree?
4. Using alternative materials for plumbing, such as PEX, is becoming more popular. Are these materials better than traditional ones?
5. Plumbing materials have improved over time, making plumbing easier and more efficient. Is this a positive change?