

# Materials used in daily life and its manufacturing process Training test 1

**Instructions for students:** Follow your teacher's instruction. Also, you can attempt this test online and see your result.



[Solve online](#)

## 1. Cement and its ingredients (1 m.)

**Choose the correct answer based on the topic cement:**

- The chemical is present in 3 to 6% in cement.
  - Aluminium hydroxide
  - Aluminium oxide
  - Aluminium
  - Water
- ..... is the chemical that helps in producing sound cement.
  - Sulfur trioxide
  - Sulfur dioxide
  - Sulfur oxide



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## 2. Chemical composition of cement (1 m.)

**Fill in the blanks with correct answers:**

(Note: write only one letter in each box.)

1. The ..... zone starts after the calcining zone, where the temperature is about  $1350^{\circ}\text{C}$  to  $1450^{\circ}\text{C}$ .

.....

2. The fast cooling process is very important as it makes the clinker with high of cement after grinding.

.....



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## 3. Cement (2 m.)

**Choose the correct answer:**

- ..... is the chemical that gives quick setting property to the cement.
  - Sulfur trioxide
  - Aluminium oxide
  - Magnesium oxide
  - Water
- ..... are strong bases present in cement in the percentage of 0.2 to 1.3%.
  - Alkalies
  - Lime
  - Silica



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#### 4. Gypsum, Epsom salt and Adhesives (1 m.)

Fill in the blanks with correct answers:

(Note: write only one letter in each box.)

Epsom salt	Artificial	Gypsum	Adhesion
Minerals	Gypsum	Epsom salt	Adhesives
Natural	Epsom salt	Salt	Dietary
Cohesion	Detect	Mushroom	Magnesium sulfate heptahydrate



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1. Epsom salt is the common name for \_\_\_\_\_ chemical compound.

2. Gypsum are mostly found in sedimentary rocks along with such as halite, borax, sulfur, calcite and dolomite.

#### 5. Gypsum and epsom (1 m.)

State true or false:

1. The most used mineral in pharmaceutical industries is Epsom salt.

- A) True
- B) False

2. Gypsum are mostly found in sedimentary rocks along with minerals such as halite, and borax.

- A) True
- B) False



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#### 6. Gypsum and Epsom salt (2 m.)

Match the following:

- A)  $MgSO_4 \cdot 7H_2O$
- B) Magnesium deficiency in the soil

1. Epsom salt -

2. Epsom salt in agriculture -



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