

Exercise 1: Gap-Fill Sentences

Fill in the gaps using the words from the list below. Use each word only once.

Words: steel, tin, brass, ferrous metal, zinc, suitable material, copper, brittle

1. _____ is a combination of copper and zinc, used for decorative purposes.
2. _____ is used in the production of cans and soldering materials.
3. To prevent oxidation, _____ is often used as a coating for steel.
4. The car industry relies heavily on _____ due to its strength and durability.
5. Cast iron is a _____, but it tends to be quite _____.
6. When designing electrical wiring, _____ is the most commonly used metal.
7. Engineers need to select the most _____ for every project.

Exercise 2: True or False

Decide if the following statements are **True** or **False**.

1. **Brass** is a non-ferrous metal, mainly composed of copper and zinc. True/False
2. **Concrete** is a type of metal used in heavy industry. True/False
3. **Drawing** refers to the process of shaping materials by pulling them through a die. True/False
4. **Steel** is a ferrous metal that is resistant to corrosion. True/False
5. **Rubber** is commonly used as an insulator. True/False
6. **Cement** is an excellent conductor of electricity. True/False
7. **Rolling** is a process of flattening metals into thin sheets. True/False
8. **Copper** is a brittle metal that oxidizes quickly. True/False

Exercise 3: Dialogue Completion

Complete the dialogue by filling in the blanks with the appropriate words from the box.

Words: properties, reinforced, combined, non-ferrous, insulator, ductile, industry, casting

A: We need a material that is both strong and resistant to corrosion. Any suggestions?

B: How about using a _____ metal like brass? It's _____ and quite strong.

A: That's a good idea! And we can also use rubber as an _____ for the electrical parts.

B: Right! For structural support, we could use steel _____ with concrete.

A: Yes, and we could form the steel beams using the _____ process.

B: Excellent! The final decision will depend on the material _____ and cost.

A: I think this approach will meet all our needs for this _____.

Exercise 4: Matching Terms

Match the terms to their correct descriptions.

1. **Drawing**
2. **Forging**
3. **Wires**
4. **Sheet metal**
5. **Alloy**
6. **Hammer**
7. **Concrete**
8. **Extrusion**

Descriptions:

- a. A tool used in shaping metals during the forging process.
- b. A metalworking process used to shape materials by pulling them through a die.
- c. Thin, flat pieces of metal often used in construction.
- d. A mixture of metals or a metal combined with other elements to improve its properties.
- e. A solid material used in construction, made from cement and aggregate.
- f. Thin, flexible strands of metal used to conduct electricity.
- g. A process of shaping material by forcing it through a die.
- h. A process that uses compressive forces to shape metal, often involving heating and hammering.