

MATHS

1. Define the following terms.

- | | | | |
|----------------------|-------------|----------------|------------------------|
| a) Compound interest | b) Annually | c) Half yearly | d) Quarterly |
| e) Semi annually | f) Withdraw | g) Deposit | h) Fixed Deposit (F.D) |

HINDI

-Vaakey ke kitne ang hote hain,udhaaran dwaara samjhakar likhiye

SCIENCE

Learn these q/a

1. What do you mean by malleability and ductility? How are these properties different in metals and non-metals?

Ans: The property of metals by which they can be beaten into thin sheets is known as malleability, e.g. copper,aluminium. The property of metals by which they can be drawn into thin wires is known as ductility, e.g. gold, silver. Metals are malleable and ductile in nature whereas non-metals are neither malleable nor ductile; they are brittle.

2. Give three examples of reactions between metals and water, to show that different metals have different reactivities.

Ans: Metals react with water to form oxides or hydroxides and hydrogen. Different metals have different reactivities with water. (i) Sodium reacts vigorously with water, giving off a lot of heat. $2\text{Na} + 2\text{H}_2\text{O} \rightarrow 2\text{NaOH} + \text{H}_2$

(ii) Magnesium reacts with hot water or steam. $\text{Mg} + \text{H}_2\text{O} \rightarrow \text{MgO} + \text{H}_2$ (iii) Zinc reacts only with steam. $\text{Zn} + \text{H}_2\text{O} \rightarrow \text{ZnO} + \text{H}_2 \uparrow$

3. Give the important uses of copper.

Ans: (a) It is widely used to make electric wires and cables. Copper coils are used in several electrical appliances.
(b) It is also used to make heating utensils, car radiators and calorimeters.
(c) It forms useful alloys.

4. Aluminium protects itself against corrosion. Discuss why it is necessary to anodize aluminum to make it corrosion resistant.

Ans: Aluminium protects itself against corrosion upon exposure to air by forming a layer of aluminium oxide. If this layer is made more uniform, it protects the aluminium underneath more effectively. Thus, this is done by a process called anodizing to make it corrosion resistant.

ENGLISH

ANSWERS OF EXERCISE-2 MATCH IT & DO CORRECTION

NOTE:- ALL THE GIVEN EXERCISES & THEIR ANSWERS SHOULD BE PROPERLY NOTED IN YOUR ENGLISH NOTEBOOK.

Answers:-

- 1.I enjoy the sense of freedom it gives me.
- 2.I meet different people who amuse me for a moment.
- 3.I feel that travel can add to my personality.
- 4.Children below the age of eighteen years must not drive.
- 5.We must wear helmets for our protection.

Exercise-3

Rearrange the following words and phrases to form meaningful sentences.

- 1.killed/they are/beaten/chained/and/mercilessly/trained.
2. their/heed/but/hears/and/pays/nobody/to/cries.
3. friends/auxiliaries/animals/necessary/are our/and/survival/for our
4. time/it/in/measures/seconds/and/hours/minutes

For support material use www. Google , YouTube, diksha app NCERT app etc.