

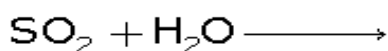
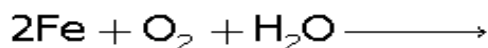
Answer the following questions:

PHYSICS

1. In which direction will a light ray falling along the normal to a mirror be reflected?
2. If all objects around were to reflect light in a regular way, what problems might we face?
3. Image of an object is formed by two plane mirrors. One of the mirrors is double the size of the other. In which case will the image be bigger? Why?
4. What is periscope? How do you construct this? What are the applications of periscope?
5. Draw a neat diagram of human eye. Explain the parts of human eye.

CHEMISTRY

1. Why the government is trying to ban plastic bags and promote paper bags though they are stronger than the paper bags?
2. (i) The process of formation of polymers is called -----
(ii) Cotton is a natural polymer made of-----.
(iii) Another name of -----is artificial silk.
(iv) ----- has feel of wool
(v) Bakelite is an example of-----.
3. Make a poster on “4R” principle in A4 sheet?
4. Complete the following chemical reactions.



5. Write any five physical properties of Metals and Non- Metals.

6. Noble metals are used to make jewellery because they are very reactive. Do you agree? Give reasons.

7. What is carbonization? Name three products obtained after the processing of coal. Also mention their uses.

8. Study the history of the petroleum industry, and make short note with pictures.

9. All combustible substances are not fuels. Why?

10. What are the advantages of using energy judiciously?

BIOLOGY

1. Write the stages in life cycle of a butterfly in correct sequence-
caterpillar, adult butterfly, pupa, eggs.

2. What do you mean by the following terms?

(i) Gestation period (ii) Implantation

3. Write the correct words by putting letters in correct sequence and define it.

(i) Rationlifetiz (ii) Terphisosomam

4. Match the column:-

Gland

(a).Pancreas

(b).Testis

(c).Pituitary

(d).Ovary

(e).Adrenal

Hormone secreted

(i) Testosterone

(ii) Insulin

(iii) Epinephrine

(iv) Growth hormone

(v) Estrogen

5. Fill in the blanks: -

a. Chips, burgers, cakes, colas etc. are _____ food.

b. In males, sex hormones are secreted by _____.

c. In females, sex hormones are secreted by _____.

6. Define personal hygiene and explain its importance in an adolescent's life.
7. What are endemic species? Give examples.
8. Write full forms of the following:
 - (i) IUCN
 - (ii) WCU
9. Define the conservation in one sentence.
10. Who coined the term biodiversity?