

*CLASS 8th

_Date 25/05/20

SCIENCE

Learn/write following q/a

Name the two types of fibres.

Ans – Natural fibres and synthetic fibres

2. What are natural fibres?

Ans – Natural fibres are the fibres which come from natural sources like plants and animals.

3. Name some natural fibres obtained from plants.

Ans – Cotton, linen, hemp, jute, flax, reha, silk cotton (simbal), coir etc...

4. Name some natural fibres which are obtained from animals.

Ans – Wool, silk etc...

5. What are synthetic fibres?

Ans – Synthetic fibres are man-made fibres.

6. Each kind of synthetic fibre or material has its own properties. Give reason.

Ans – Each kind of synthetic fibre or material has its own properties because synthetic fibres are made from different chemicals.

7. Synthetic material is known as

Ans – Plastic

ENGLISH

The Clause

The clause is a group of words having its own subject and a predicate though it does not make a complete sense. It is rather a part of another sentence.

e.g. Because you are feeling well, you can go out today.

The bold part does not make a complete sentence. But since, it has its own subject and predicate it is a clause on which the other clause 'you can go out today' depends.

More Examples of clauses-

1. I will wait for you, although I am hungry.

2. They do whatever they decide.

The Phrase

A group of words at the end of the sentence makes a sense, but not a complete sense, is known as a phrase. The phrase may have nouns or verbs, but it does not have a subject and predicate.

1. Humpty dumpty sat on a wall.

2. The Sun rises in the East.

3. This is not the right way of doing things.

HINDI

Vidhey kise kehte hai, udhaaran dwara vyakhya kijiye

Q.1. Show that 729 is a perfect cube.

Sol. Method - (i) Find Prime factorisation of 729.

$$729 = 3 \times 3 \times 3 \times 3 \times 3 \times 3$$

(ii) Group together triplets of same prime factor

$$729 = \underbrace{3 \times 3 \times 3} \times \underbrace{3 \times 3 \times 3}$$

(iii) No Number is left out,
 So 729 is a perfect cube.

Q.2. Examine if 864 are perfect cube.

Sol. Step-1.

$$864 = 2 \times 2 \times 2 \times 2 \times 2 \times 3 \times 3 \times 3$$

Step-2 $864 = 2 \times 2 \times 2 \times 2 \times 2 \times 3 \times 3 \times 3$

Step-3 Here, the second group of 2's does not form a triplet, hence 864 is not a perfect cube.

Q.3. Find the smallest number by which 17496 must be divided, so that the quotient is a perfect cube.

Sol. Step-1 Resolving 17496 into prime factors, we have

$$17496 = 2 \times 2 \times 2 \times 3 \times 3 \times 3 \times 3 \times 3 \times 3$$

Here, 1st group, 2nd group, and 3rd group makes a triplet, and 3 is left out. So, clearly 17496 should be divided by 3 to make it a perfect cube.