

# JKG INTERNATIONAL SCHOOL

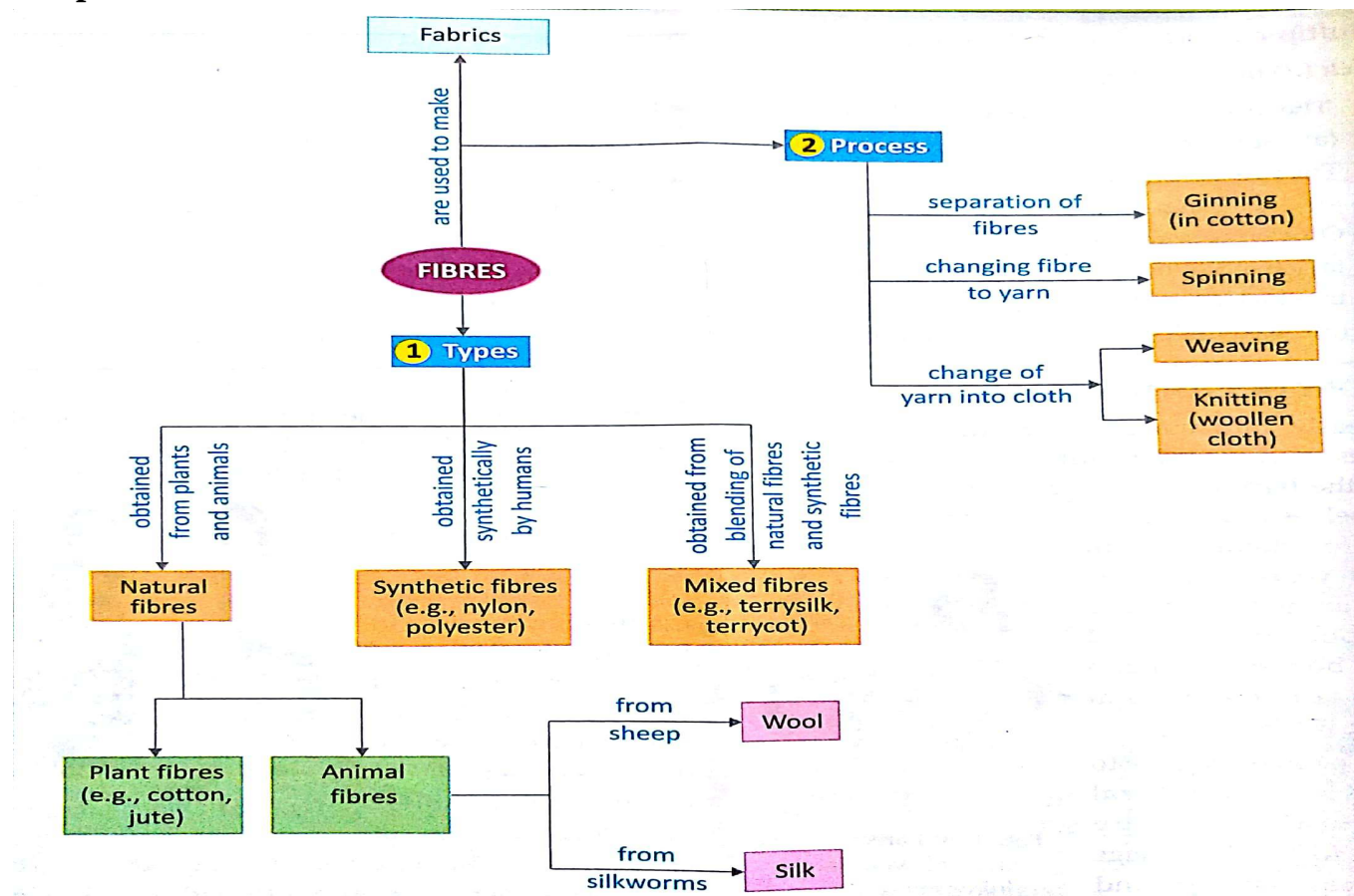
Subject- Science

Class- VI

Le- 3

Fiber to Fabric

## Chapter At a Glance:



### More about fabrics:

#### Advantages of natural fabrics:

These fabrics 1) absorb more water and sweat 2) Allow air to pass through them 3) are biodegradable and do not pollute the environment.

#### Disadvantages of natural fabrics:

These fabrics 1) do not retain their creases for long 2) may shrink on ordinary washing 3) can easily be attacked by moths and moulds 4) do not dry rapidly.

#### Advantages of Synthetic fabrics:

Synthetic clothes are 1) more durable and easy to maintain 3) dry up quickly and wrinkle free 4) not attacked by moths and moulds.

**Disadvantages of Synthetic fabrics:**

They 1)do not allow the air to pass through them and hence are not good for summer 2) do not absorb sweat 3) easily catch fire 4) are non-biodegradable.

**Uses of Cotton:**

Cotton fibres are used for 1) clothes, bedsheets, T-shirt etc. 2) making gun cotton, an explosive 3) absorbing blood and pus for wounds 4) making mixed fibres.

**Uses of Jute:**

Jute fibres are used for making 1) gunny bags or sacks 2) curtains, carpets, chair coverings etc. 3) shopping bags, table mats, jewellery.

**Question Bank for class test / subject enrichment activity:**

**Q-1** Reema and Venu are good friends. One day it was very hot and both of them had to go to market in the afternoon. Reema was feeling very uncomfortable and sweating very much. Venu explained to her that she should not have worn black coloured clothes.

- a) What type of clothes should we wear in summer? And why?
- b) Which set of moral values are shown by both friends?

**Q-2** You are given two pieces of different types of fabrics which are labeled X and Y. Both the pieces of fabrics are burned one by one. The fabric X burns vigorously giving a smell of burning paper whereas fabric Y burns producing a smell of burning hair.

- a) Which fabric could be made of wool?
- b) Which fabric do you think is made of cotton?

**Q-3** A and B are the two natural fibres. Fibre A is very soft and smooth which is separated from the seeds by the process C. Fibre A is used for making the wicks of oil lamps. Fibre B is very rough which is present in an outer covering on the ripened fruit D which occurs mainly in coastal areas. Fibre B is also known by another name E. The fibre is used for making ropes and mats.

- a) Name the fibre A. b) What is the process C known as?
- c) Name the fibre B. d) What is the name of fruit D?

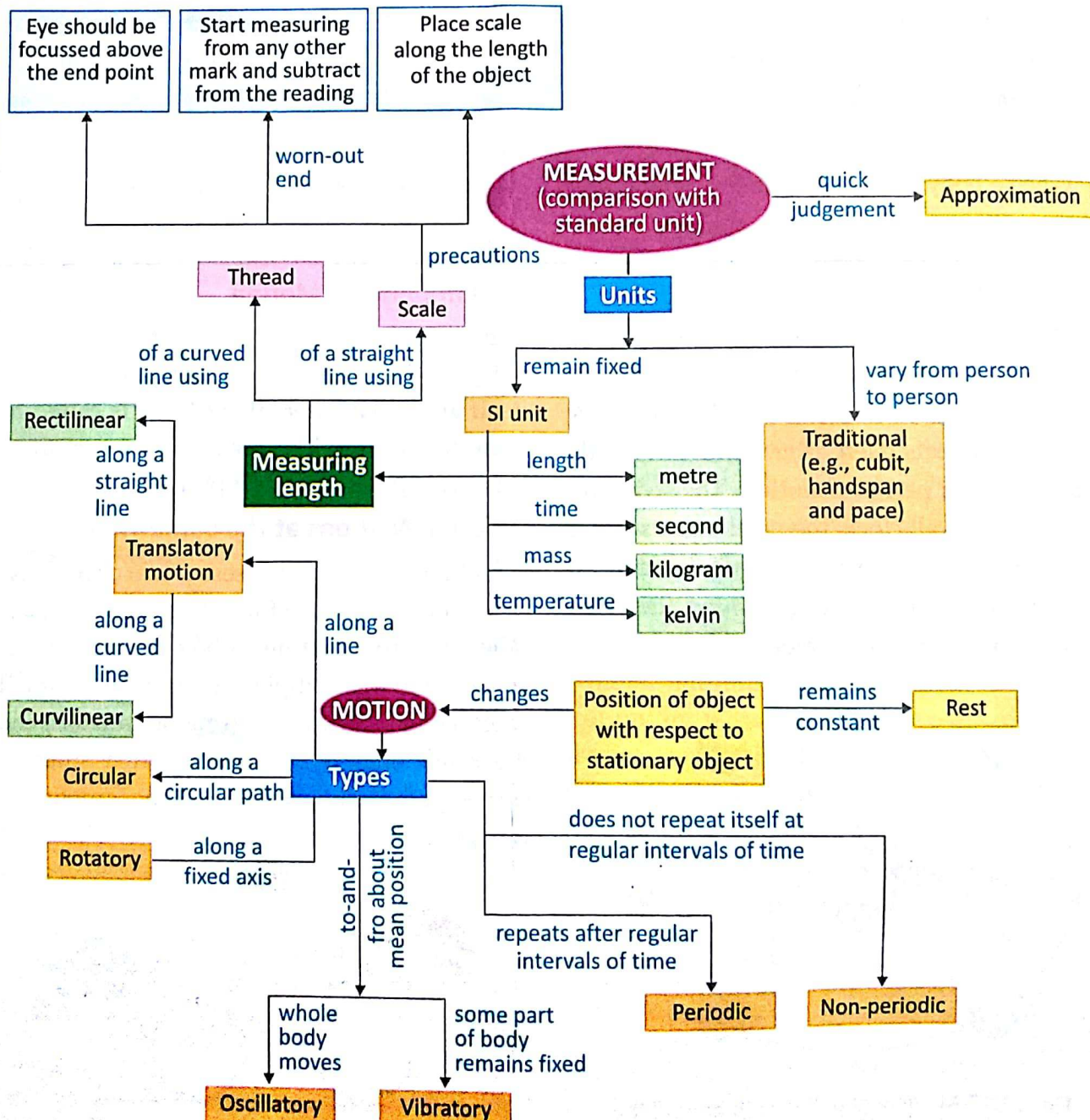
**Q-4** A fibre X is obtained from the stem of a plant bearing yellow flowers and another fibre Y is obtained from the fruit of a plant and grows in black soil.

- a) What is the name of X and Y?
- b) Write two uses each of X and Y.
- c) In which stage the plant of fibre X is harvested?
- d) Write the name by which the fruit of the plant of fibre Y is called?

## Le- 10

### Motion and Measurement of Distances

#### Chapter At a Glance:



#### Key words:

**Measurement** It is a process of comparing the unknown quantity of an object to be

measured with a standard unit of measurement.

**Rest** A body is said to be at rest if its position remain constant with respect to the stationary objects in its surroundings.

**Motion** A body is said to be in motion if it changes its position with respect to the stationary objects in its surroundings.

**Multiple motion** Sometimes an object possesses two or more types of motion at the same time. Ex. 1) When a boy is riding a bicycle the wheels of it rotates ( rotatory motion ) and at the same time move forward ( rectilinear/curvilinear motion ).

2) The earth rotates about its axis (rotatory motion) and revolves around the sun in a circular path ( circular motion ).

**Question Bank for class test / subject enrichment activity:**

**Q-1** Is mass a physical quantity? Give reason of your answer.

**Q-2** Can an object exhibit different types of motion simultaneously? If yes, discuss with an example.

**Q-3** sohan was travelling from Delhi to Jaipur by his car for a meeting. He had to reach the destination in the given times. So he kept a track of the odometer and his watch all through the journey to decide upon his speed. This helps him to reach on time for the meeting.

- a) What measuring devices were used by Sohan?
- b) What is speed?
- c) What do you mean by distance?
- d) Write the relationship between time and distance.

**Q-4** In the ancient time animals are used to carry load and man from one place to other. Invention of X then made a great change in the mode of transport. Human then invent Y which lead to the development of trains and automobiles.

- a) Can you guess the name of X and Y?
- b) Is it possible to make a vehicle without X?
- c) Name two vehicles where X is not used.