

*Class- V*  
*Subject-Science*  
*Chapter -9 (Lecture-02)*  
*Technology in our life*  
*Class Date-27/06/2020*



### Scientific Method:

A scientific method is followed by the scientist to investigate and answer questions about the world around us. It includes six steps. They are:

#### 1)Observation:

By observing the world around you, you can notice the things happen or the phenomena, or you may have a particular topic of interest.

#### 2)Question:

When we saw, heard, or read something, we may have questions about that. Choose a question That can be answered by making observations or experiments.

#### 3)Hypothesis:

By using previous knowledge, guess that answers your question this is called a hypothesis.

#### 4)Experiment:

Design a test to justify the hypothesis is true or not. List the materials you will need. Write the steps you follow. Collect data and record the result of your experiment.

#### 5)Conclusion:

Analysis of the data you collected and summarized your results. Think about your results that either support your hypothesis or not.

6)Sharing:

Report your results and share them with others.

**Industrial Revolution:**

A rapid major change in an economy (as in England in the late 18<sup>th</sup> century) marked by the general introduction of power-driven machinery or by an important change in the prevailing types and methods.

## **Questions related with this topic**

- 1) Who invented the steam engine?**
- 2) What is the industrial revolution?**
- 3) How has the scientific knowledge of steam power been applied?**
- 4) In which fields industrial revolution bring changes?**
- 5) When did the industrial revolution take place?**
- 6) Write the names of the steps of scientific method?**
- 7) What is scientific method?**
- 8) Describe all the steps of scientific method.**

## Answers of the questions

1)

James Watt invented the steam engine.

2)

A rapid major change in an economy (as in England in the late 18<sup>th</sup> century) marked by the general introduction of power-driven machinery or by an important change in the prevailing types and methods.

3)

Steam engine has been invented by using the scientific knowledge of steam power. This steam engine was used to run industries, trains and ships.

4)

Industrial revolution brings changes in the field of agriculture, manufacturing and transportation.

5)

The industrial revolution take place in 18<sup>th</sup> century.

6)

The names of the steps of the scientific method are: -

a) Observation

b) Question

c) Hypothesis

d) Experiment

e) Conclusion

f) Sharing

7)

The scientific method is a process which is followed by the scientists to investigate and answer questions about the world around us.

8)

The steps of scientific method:

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### 2)Question:

When we saw, heard, or read something, we may have questions about that. Choose a question That can be answered by making observations or experiment.

### 3)Hypothesis:

By using previous knowledge, make a guess that answer your question this is called hypothesis.

### 4)Experiment:

Design a test to justify the hypothesis is true or not. List the materials you will need. Write the steps you follow. Collect data and record the result of your experiment.

5)Conclusion:

Analysis the data you collected and summarized your results. Think about your results that either support your hypothesis or not.

6)Sharing:

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