**[GENERAL SCIENCE](http://www.result.pk)**

[For Class IX (marks 75)](http://www.result.pk)

**[1. Introduction and Role of Science](http://www.result.pk)**

[1.1 Introduction to the history of Science and Islamic directive for the pursuit of knowledge with special reference to the contribution by Muslim and Pakistani Scientists in the field of Science.](http://www.result.pk)

[1.2 Branches of Science and their inter relationship](http://www.result.pk)

[1.3 Role of Science and Technology and its impact for bringing improvement in the quality of life.](http://www.result.pk)

[1.4 Limitations](http://www.result.pk)

**[2. Our Life and Chemistry](http://www.result.pk)**

* 1. [Description of three basic elements such as, C, H](http://www.result.pk)[2](http://www.result.pk) [and O](http://www.result.pk)[2](http://www.result.pk) [Explanation of photosynthesis and respiration.](http://www.result.pk)
	2. [Explanation of different allotropic forms of carbon; types of carbon compounds and their abundance in nature.](http://www.result.pk)
	3. [Properties of water as a solvent, density of water and ice.](http://www.result.pk)
	4. [Composition of air and role of the constituents in the properties of air. Rare gases and their uses.](http://www.result.pk)
	5. [Importance and application of elements like Na, K, Mg, P, Fe, C, I, F, for the maintenance of our health, agriculture and daily life.](http://www.result.pk)

**[5. Diseases – Causes and Prevention](http://www.result.pk)**

* 1. [Diseases, their causes i.e. virus, bacteria, parasites, germs, etc. and preventive measures.](http://www.result.pk)
	2. [How do germs spread?](http://www.result.pk)
	3. [Protection from germs and diseases caused by them.](http://www.result.pk)
	4. [Smoke, smoking and ill health. Different diseases caused by smoke and smoking.](http://www.result.pk)
	5. [Mental illness, its cure.](http://www.result.pk)
	6. [Difference between drugs, medicines and Narcotics, their uses and abuses in society.](http://www.result.pk)

**[7. Energy](http://www.result.pk)**

* 1. [Introduction of energy and its forms.](http://www.result.pk)
	2. [Energy demands and different methods of acquiring energy.](http://www.result.pk)
	3. [Development of new energy resources. Explain different sources of energy, conventional and non-conventional.](http://www.result.pk)
	4. [Know how the energy is measured. Methods and units of measurement of energy and its uses.](http://www.result.pk)
	5. [Energy and the environment, especially with respect to thermal pollution and nuclear fuel hazards. Steps to minimize them.](http://www.result.pk)
	6. [Energy conservation. Conservation of energy at home, schools, industries, etc.](http://www.result.pk)

**[9. Basic Electronics](http://www.result.pk)**

* 1. [Basic working principle of semi conductor diode.](http://www.result.pk)
	2. [Description of Radio waves, Radio systems, Television, cable and satellite TV.](http://www.result.pk)
	3. [Computers, microprocessors, their importance and uses in different fields.](http://www.result.pk)
	4. [Description of information technology, elaborate with simple examples, Communication systems.](http://www.result.pk)

**[RECOMMENDED REFERENCE BOOKS FOR CLASS IX](http://www.result.pk)**

 [The question paper will be syllabus oriented. However, the following books are recommended for reference and supplementary reading:](http://www.result.pk)

 [1. General Science](http://www.result.pk)

 [National Book Foundation, Islamabad](http://www.result.pk)

 [2. General Science](http://www.result.pk)

 [Punjab Textbook Board, Lahore](http://www.result.pk)

 [3. General Science](http://www.result.pk)

 [Sindh Textbook Board, Jamshoro](http://www.result.pk)

 [4. General Science](http://www.result.pk)

 [NWFP Textbook Board, Peshawar](http://www.result.pk)

 [5. General Science](http://www.result.pk)

 [Baluchistan Textbook Board, Quetta](http://www.result.pk)