

Development of Chemistry – The Scientific Method

Complete the following worksheet based on the in class presentation

Many aspects of the world shaped modern science and *chemistry*. Listed below are several of the main areas that lead to *chemistry*. Explain in a short sentence the impact each had on the development of chemistry.

Area of Development	Effect on Chemistry Development
Metallurgy and Pottery	
Alchemy	

Define the following parts of the scientific method

Part of the Scientific Method	Definition
Observation	
Hypothesis	
Experimentation	
Results	
Theory and Laws	

List and define the five basic ways of observing a physical or chemical phenomenon

Observation Types	Definition

Answer the following questions

What is the main goal of the scientific method?	Why are laboratory experiments commonly done in the chemistry classroom?