

name: _____

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Alchemy's Role in Early Science



In the Middle Ages, _____ was not just about trying to make gold. It was a complex discipline that combined elements of chemistry, philosophy, astrology, and mysticism. Alchemists aimed to understand the nature of _____ and to discover the philosopher's stone, a substance believed to turn base metals into _____ and grant eternal life. Their work laid the groundwork for modern _____.

The practice of alchemy contributed to the development of scientific _____. Alchemists were among the first to perform systematic _____, documenting their findings in detailed records. They used _____ like alembics and retorts, which are still recognizable in today's laboratories.

One of the most famous alchemists was _____. Often celebrated for his laws of motion and universal gravitation, Newton also wrote extensively on alchemy. His interest in alchemy shows how the boundaries between _____ and mysticism were not always clear-cut during the Scientific Revolution.

Alchemy's influence extended beyond the laboratory. It played a role in the economic and social spheres by fueling dreams of wealth through the transmutation of _____. This quest for wealth spurred investment in scientific _____, indirectly supporting the advancement of knowledge.

As the Scientific Revolution gained momentum, alchemy's mystical aspects were gradually shed. What remained was a more empirical and rational approach to studying matter, leading to the establishment of _____ as a scientific discipline. The transition from alchemy to chemistry marked a significant shift in how humanity understood the natural _____.

Despite its eventual decline, alchemy has left a lasting legacy. It demonstrated the importance of experimentation and observation, key components of the scientific _____.

Alchemy's blend of practical and speculative inquiry paved the way for the modern scientific _____.

alchemy

matter

methods

mindset

chemistry

gold

equipment

metals

world

method

Isaac Newton

research

science

experiments

chemistry