

SCIENTIFIC MEDICINE

PRIMARY SCHOOL WORKSHEET

1. What does the word 'medicine' mean?

2. The founder of Scientific Medicine is considered to be the ancient Greek physician Hippocrates (460-377 BC). What did he say about health and disease?

3. Explain the important contribution that the Roman physician Galen (129-216 AD) made to Scientific Medicine.

4. Name two famous Arab-Muslim physicians and their contributions to Scientific Medicine.

5. Modern medicine started with the study of cells, bacteria and the so-called 'germ theory'. Explain this, mentioning the contributions that Virchow, Pasteur and Koch made.

5. Read the following quote from the text and write your own definition of scientific medicine.

'It is based on an understanding of the biological mechanism in the human body and the way drugs and chemicals affect health and disease. Therapy is tested and proved in experimental research and treatment is directed at specific symptoms, with an emphasis on the curative treatment of the individual.'

- *It is evidence based*
- *It uses scientific methods*
- *Molecular biology and genetics are now an important component of modern medical practice and decision-making.'*

6. Explain how Western philosophy influenced Scientific Medicine.

7. Research in Scientific Medicine has been done in eleven areas. Name six of these and explain what they are.
