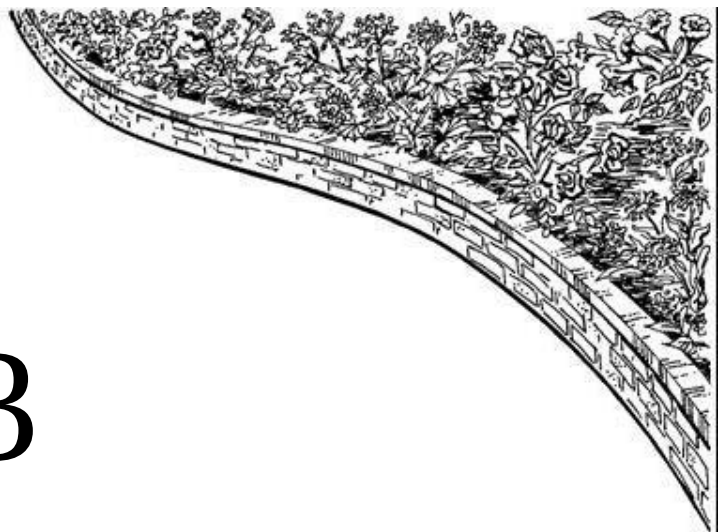


Islamic Studies

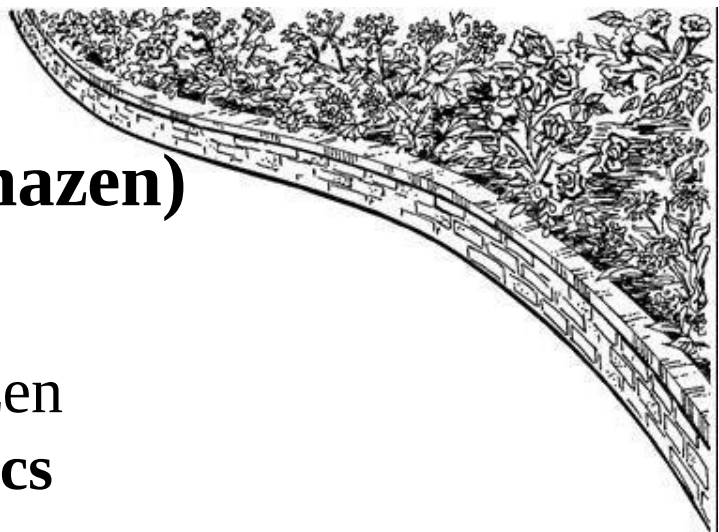
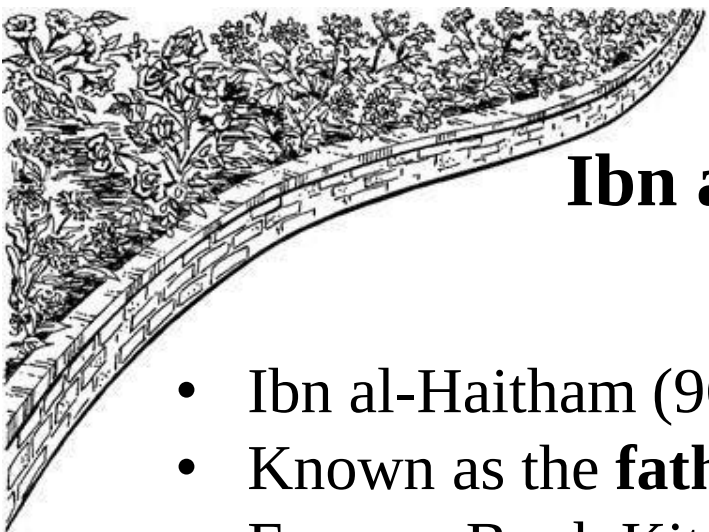
**Great Muslim Scientists and their Contributions to the
fields of Science**



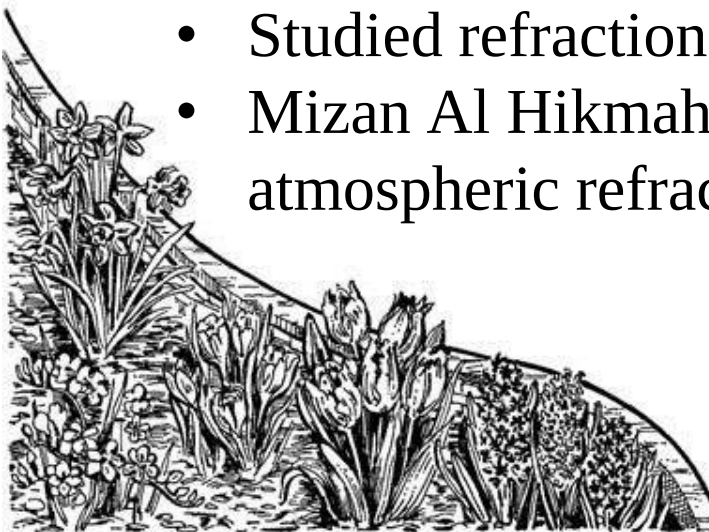
MLO 15.1.3

Identify the major contributions of Ibn al-Haitham in optics, physics, and mathematics, and explain their impact on the development of modern scientific methods.





Ibn al-Haitham (Alhazen)

- Ibn al-Haitham (965-1040 CE) Alhazen
 - Known as the **father of modern optics**
 - Famous Book Kitab Al Manazir.
 - **Wrote Kitab al-Manazir, a famous work on optics.**
 - Made major contributions to Optics, Mathematics, and Physics.
 - Explained how light enters the eye to produce vision.
 - Studied refraction, lenses, mirrors, and the camera obscura.
 - Mizan Al Hikmah (density of the atmosphere and studied atmospheric refraction)
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