



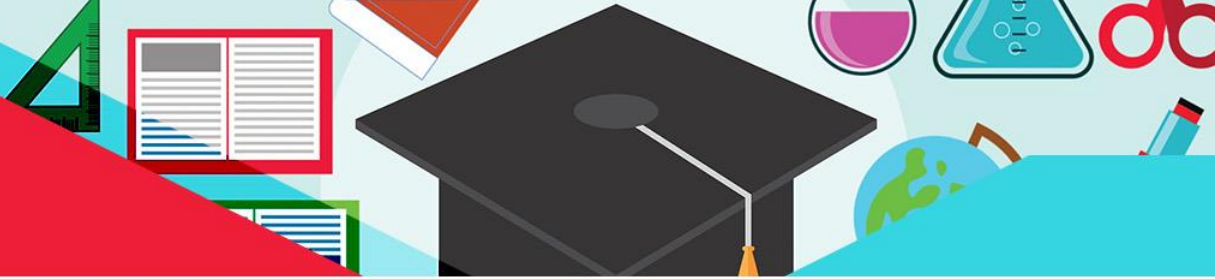
# *Introduction to science*



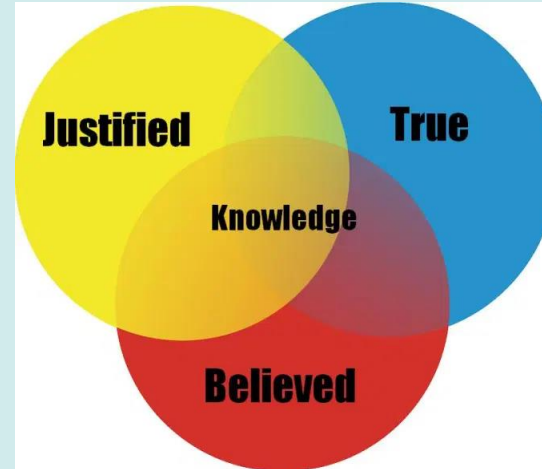
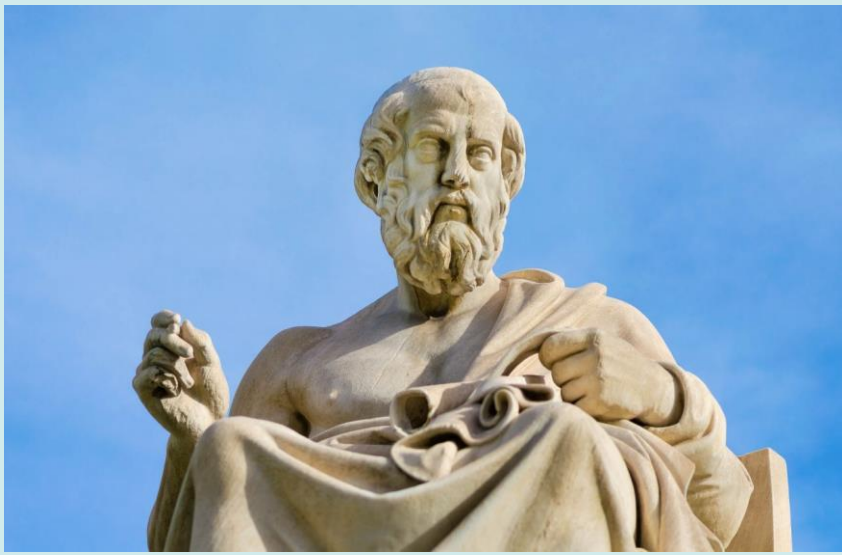
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# Knowledge



A complex and abstract concept



**Justified true belief – Tripartite theory of Knowledge**

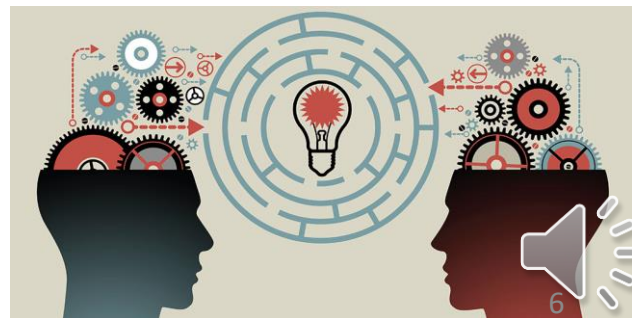
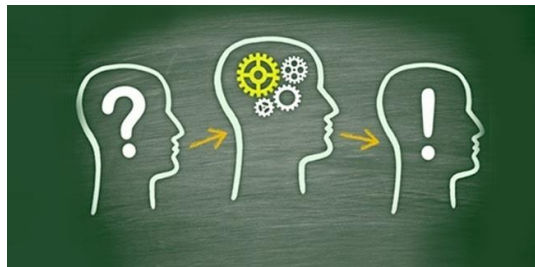
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Knowledge is acquired in different ways through complex processes such as **induction**, **perception** and **communication**

# Types of Knowledge

The header features a red diagonal banner on the left with the title 'Types of Knowledge' in white. To the right, a collage of educational icons is displayed, including a green ruler, an open book, a black graduation cap, a globe, a beaker with pink liquid, a blue flask with a chemical structure, a pair of red glasses, and a blue pen.

- Practical knowledge
- Theoretical knowledge
- Empirical / Scientific knowledge



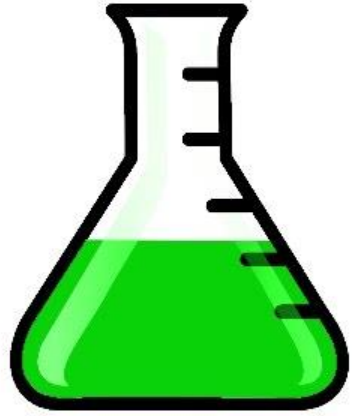


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What is



Science?





*Scientia* = Knowledge based on wisdom



- Any kind of recorded systematic knowledge
- It represent the knowledge that gains through observation, Experimentation, Interpretation and generalization.





Science is always empirical in nature and it realizes an observation through experimentation and experience



# Purpose?

- Provide explanation for natural observations
- Make generalization to predict natural phenomenon

# Major features

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- Systematic
- Organized body of knowledge
- Testable
- Synthetic and analytic
- Dynamic
- Theories are Falsifiable