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# *Biophysical Chemistry*

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# Reference Books

- Physical Chemistry for the Life Sciences  
(Engel, Drobný and Reid)
- Physical Chemistry for the Life Sciences  
(Atkins and de Paula)
- Biophysical Chemistry  
(James P. Allen)
- Biochemistry  
(Berg, Tymoczko and Stryer)

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# Lecture

## *Biophysical Chemistry:*

*Discovery of Science, Methods and  
Measurement*

科學開發，方法與測量

# The Discovery Process of Science

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## THE SCIENTIFIC METHOD

- **The scientific method** - a systematic approach to the discovery of new information

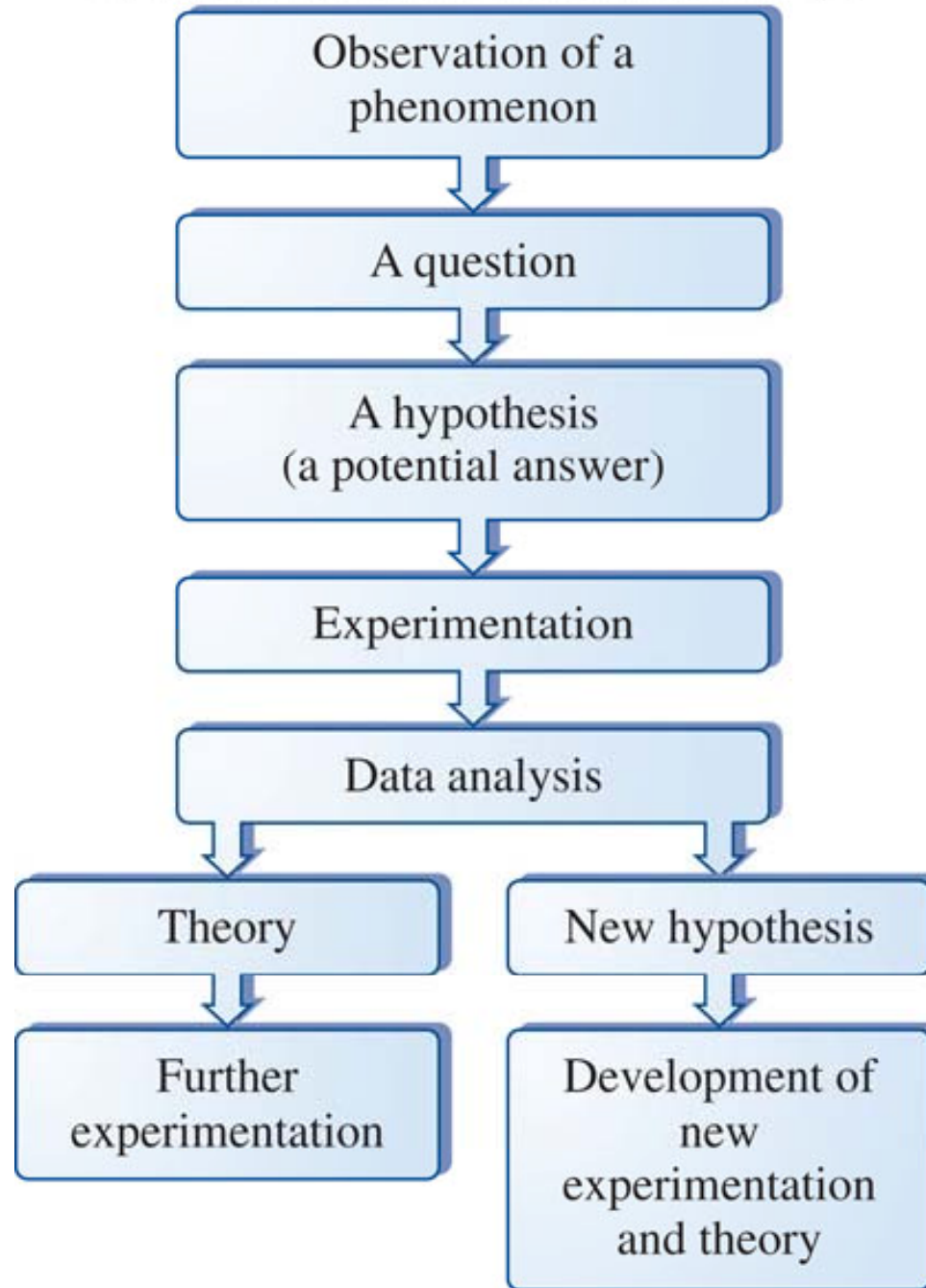
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### Characteristics of the scientific process

1. Observation
2. Formulation of a question
3. Pattern recognition
4. Developing theories
5. Experimentation
6. Summarizing information

# 1.1 The Discovery Process

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# The Discovery Process

Question



Answer

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# The Discovery Process

knowledge = answers

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# End of Lecture

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