Welcome to Anderson Academy: Physics 510 B

Mentition: Masaru Emoto and the Science of Water

Course Purpose: A short postgraduate course examining a popular book and the science it claims to reveal. Explored with ordinary tools of evidence.

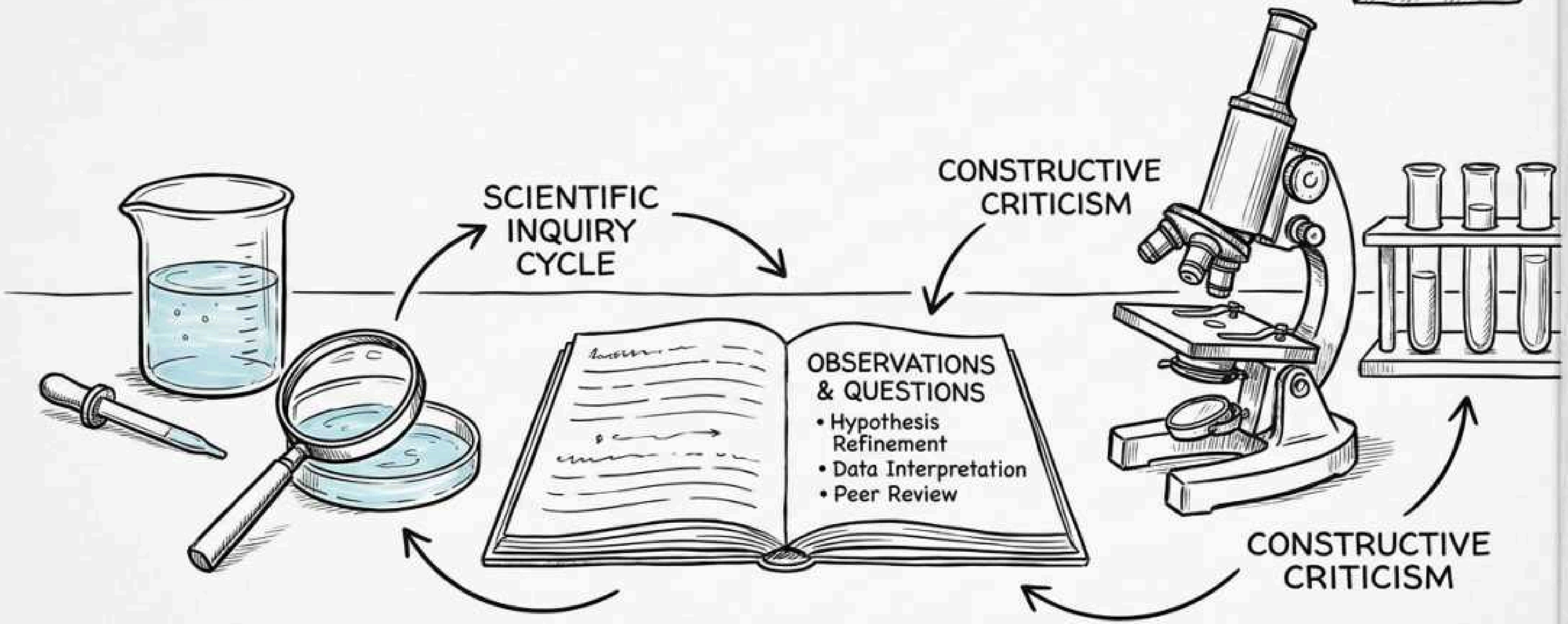
The Emoto Water-and-Ice Claim: A Question for Evidence.



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Questions & Feedback

[0.2]



The Requirement of Double Attention

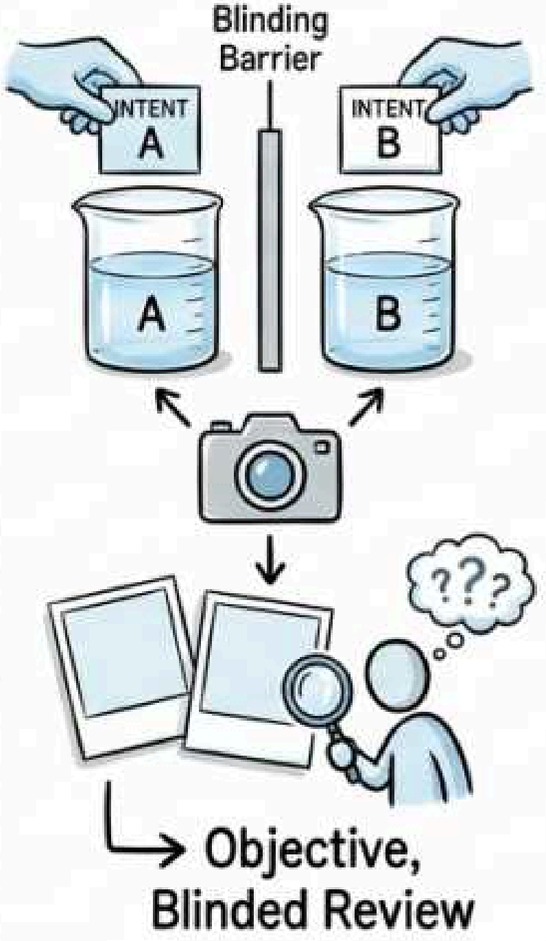
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Sympathetic Reading: The Compelling Image

- Understand why Emoto's crystal photographs are so compelling. They offer aesthetic beauty and emotional resonance, aligning with popular intuition about water's sensitivity.
- Recognize the narrative power of the images as they circulate, appearing to confirm a human connection to the natural world.



Blinded Comparison Setup.

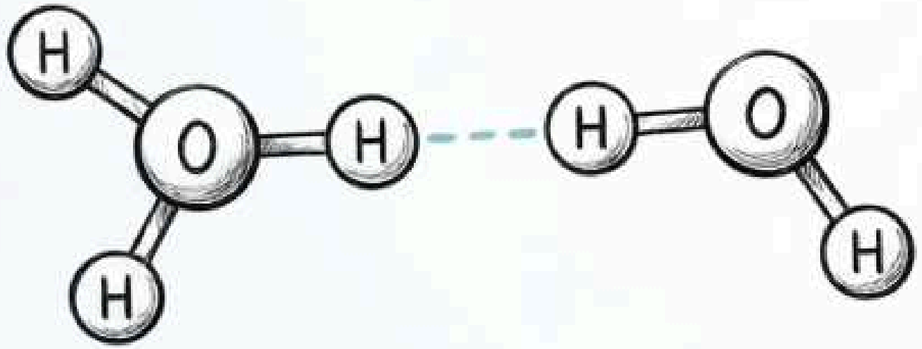


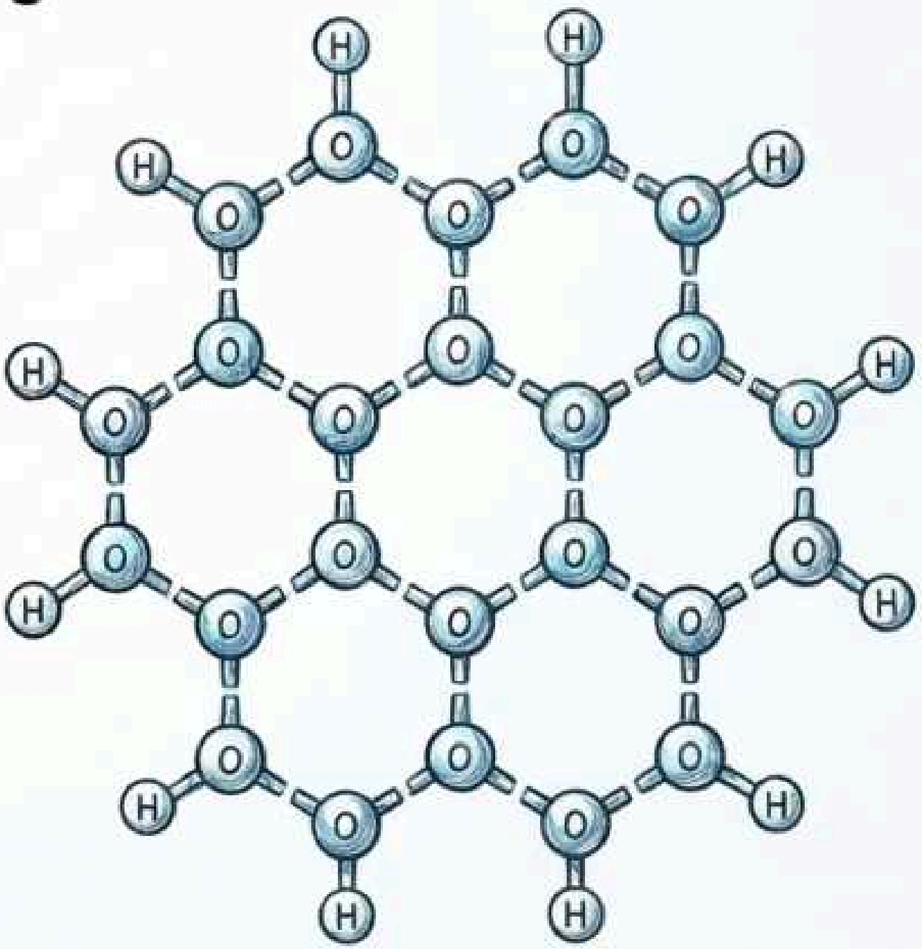
Critical Testing: The Scientific Standard

- What evidence would make these images count as science? Requires rigorous, double-blind protocols to eliminate conscious and unconscious bias.
- Blinding is essential to separate human intent from the selection process and establish a true causal link, beyond mere chance or cherry-picking.

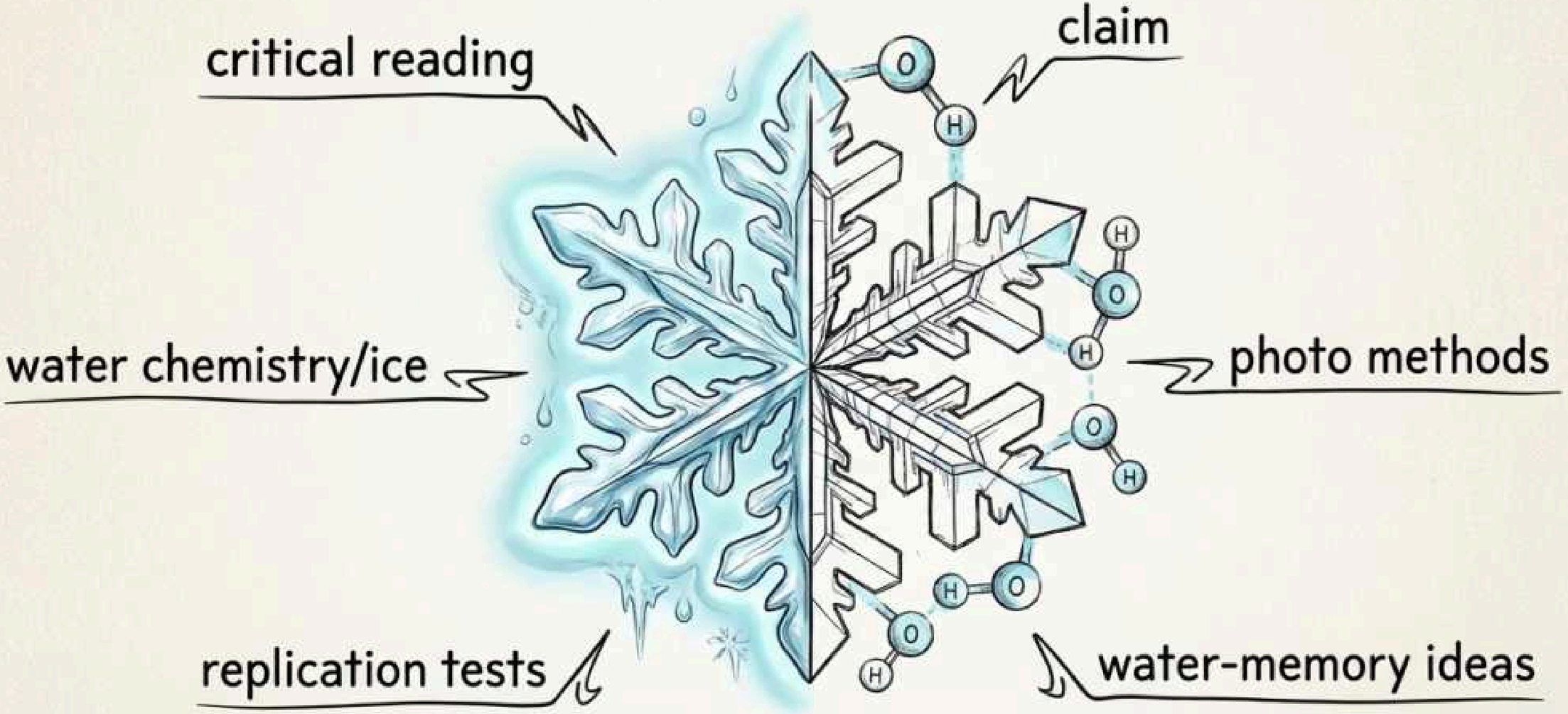
Course Scope & Methodology

This physics course evaluates claims using method, blind tests, hydrogen bonding, and ice science.



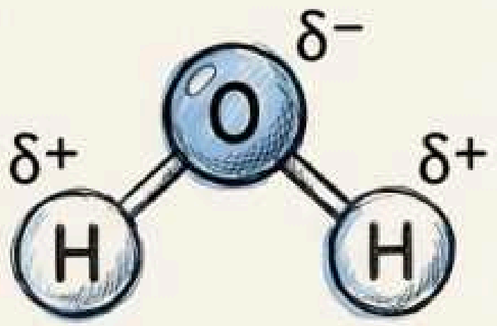


The Six-Part Map

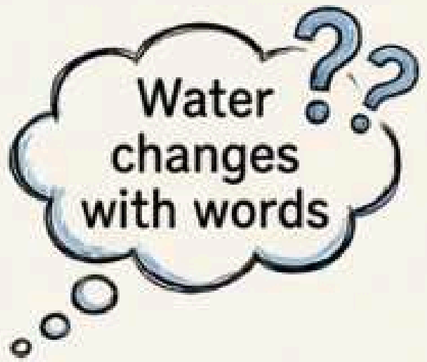


The Goal:
Distinguish a Claim from a Demonstration

Scientific Reasoning is Helpful, Not Required

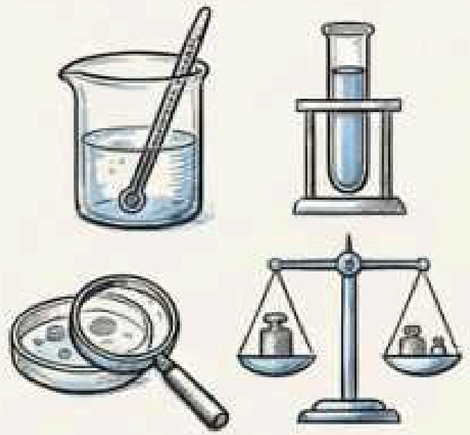


Understanding molecules and bonding is useful context, but not a prerequisite.



A Claim (Assertion)

An assertion or statement without provided evidence. Often relies on anecdotes or authority.



A Demonstration (Evidence-Based)

Supported by empirical evidence and tested under controlled conditions. Replicable.

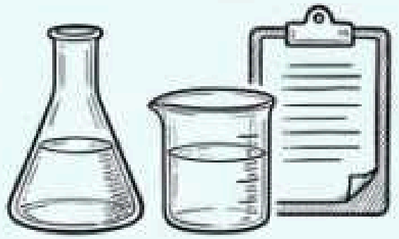
The Core Diagnostic Heuristic

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Write the Claim

Document what the book or later paper asserts, articulated in its absolute strongest form.



Design the Test

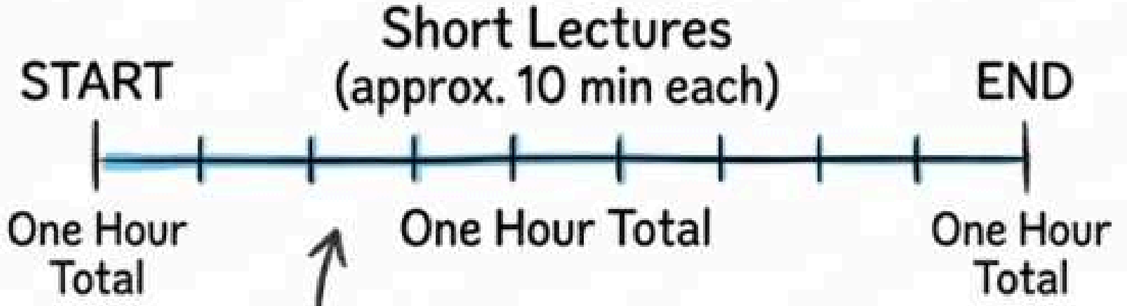
What would confirm or weaken this claim? Crucially identify:

What is held constant?
Who is kept unaware of the labels?

Rule: If you cannot name such a test, you do not yet have a scientific question—no matter how attractive the photographs may be.

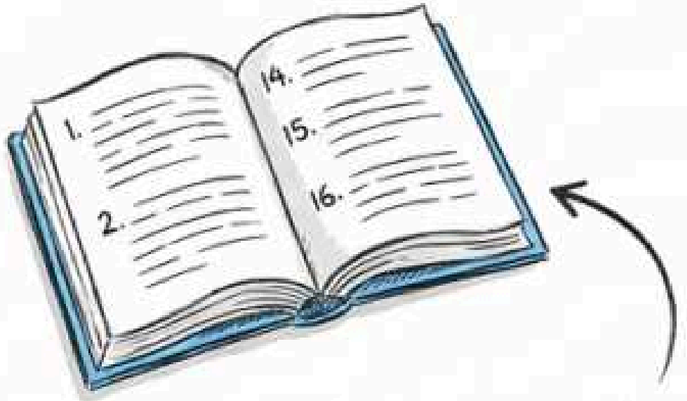
Course Logistics & Tracing

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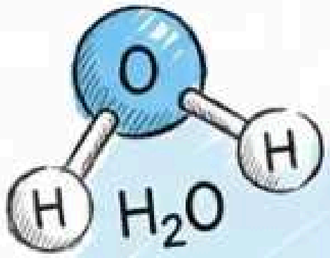


Each lecture is written to be absorbed in about ten minutes.

The entire Brief course lasts approximately one hour.



Paragraphs are strictly numbered. Every quiz and examination question can be traced back to a single, specific place in the Course Book.





Lecture 1 begins next: the author, the book, and the claim that made both famous.