

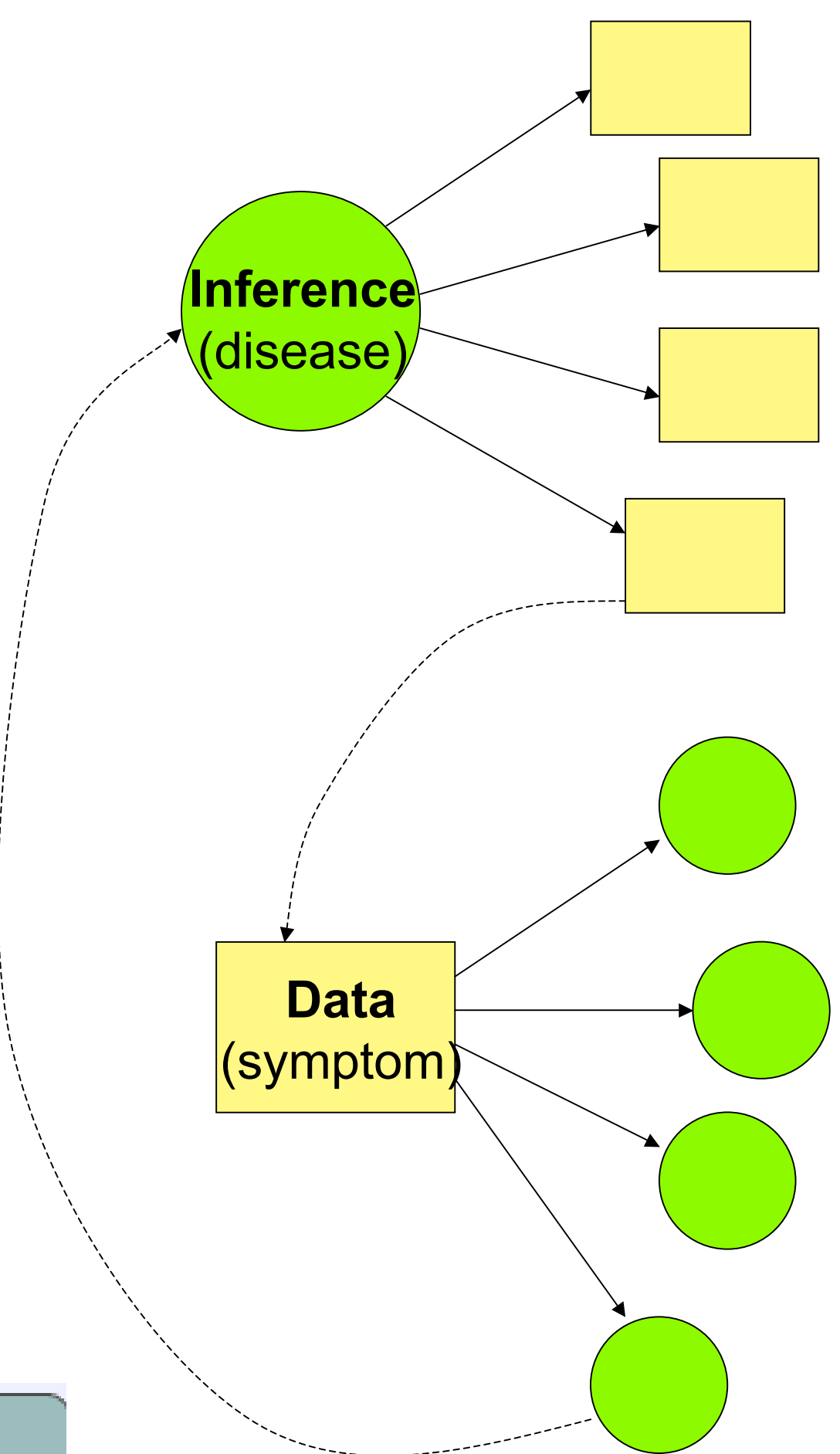
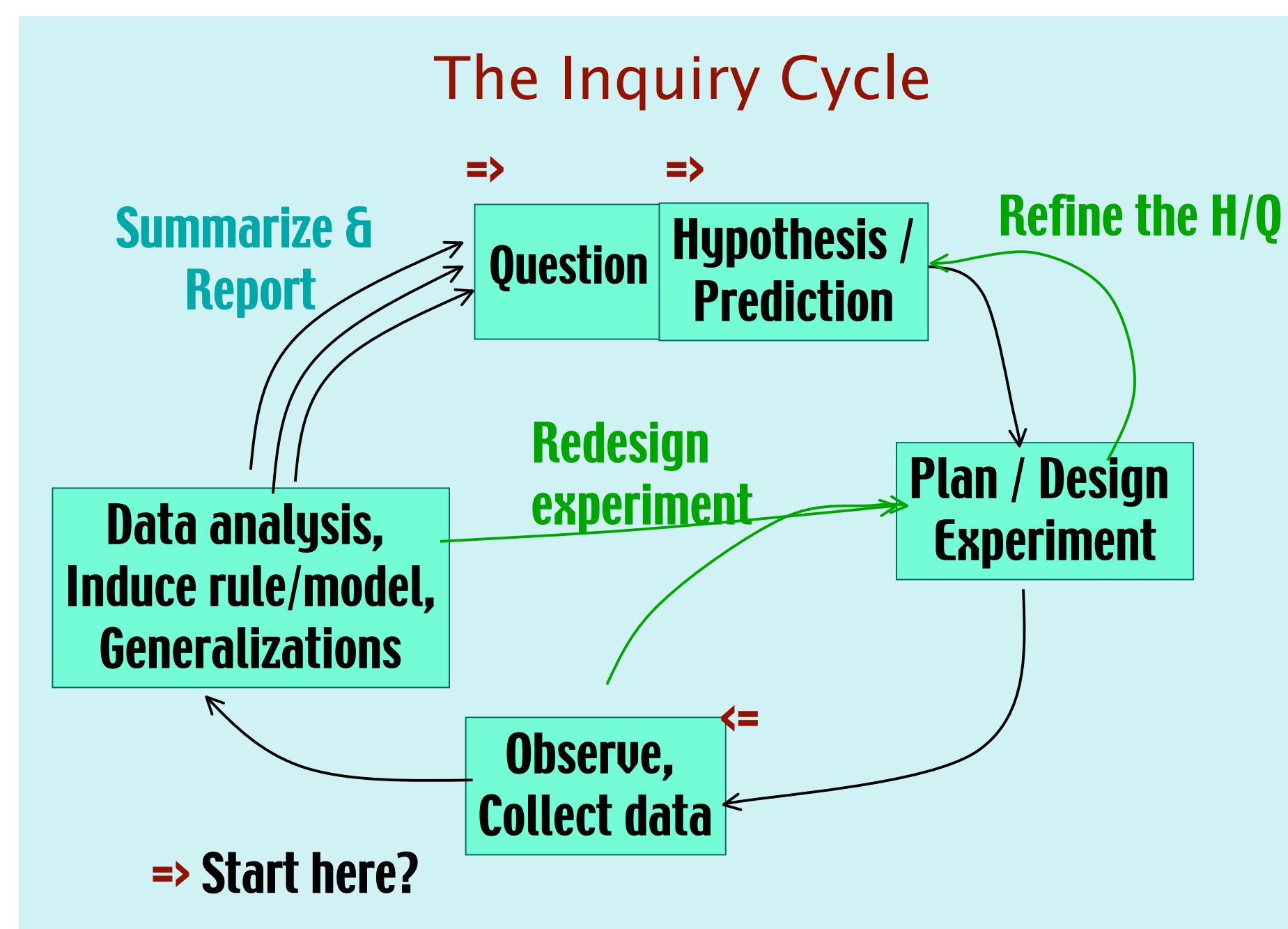
RASHI

Toward a Generic Architecture and Authoring Tools Supporting Inquiry Learning

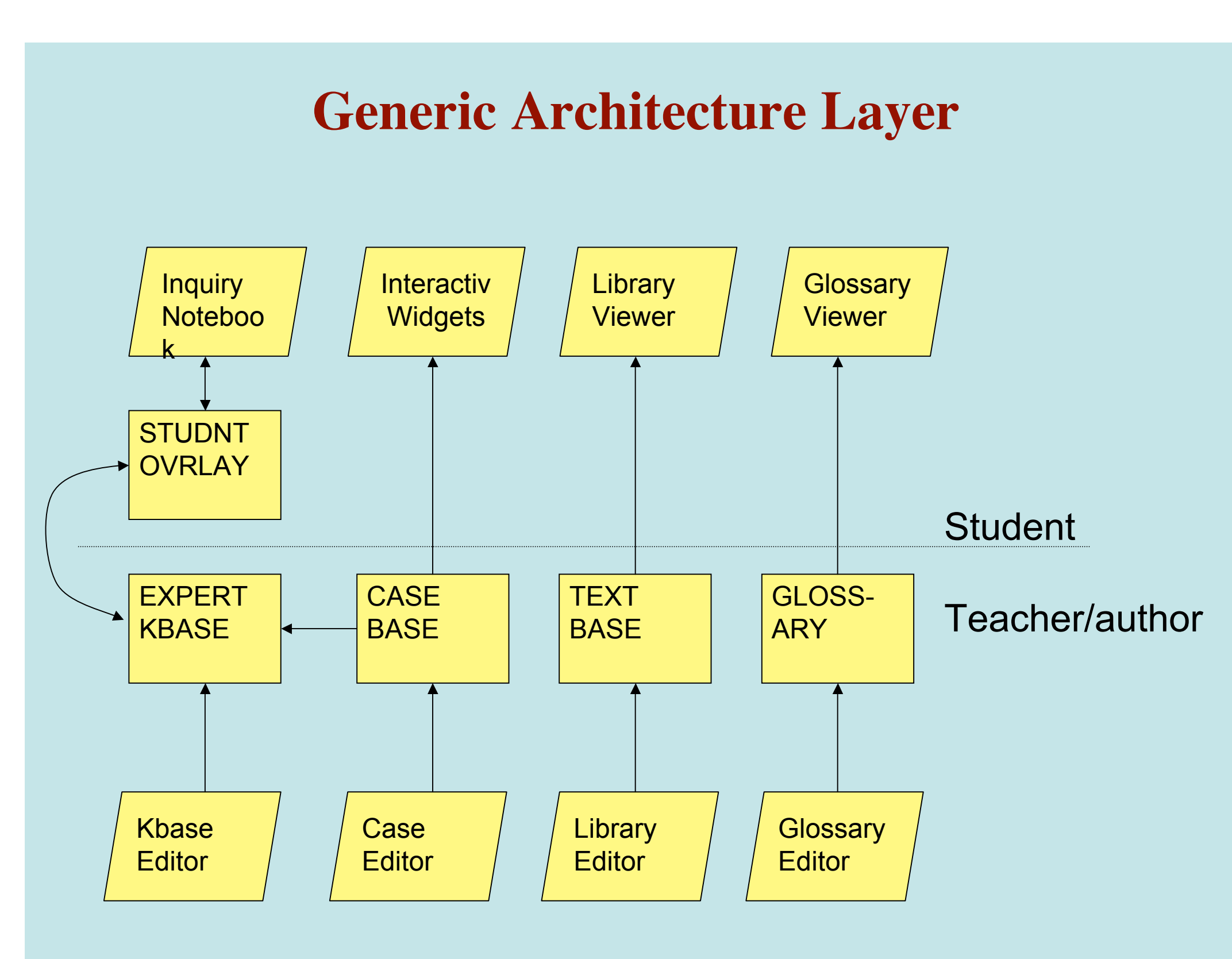
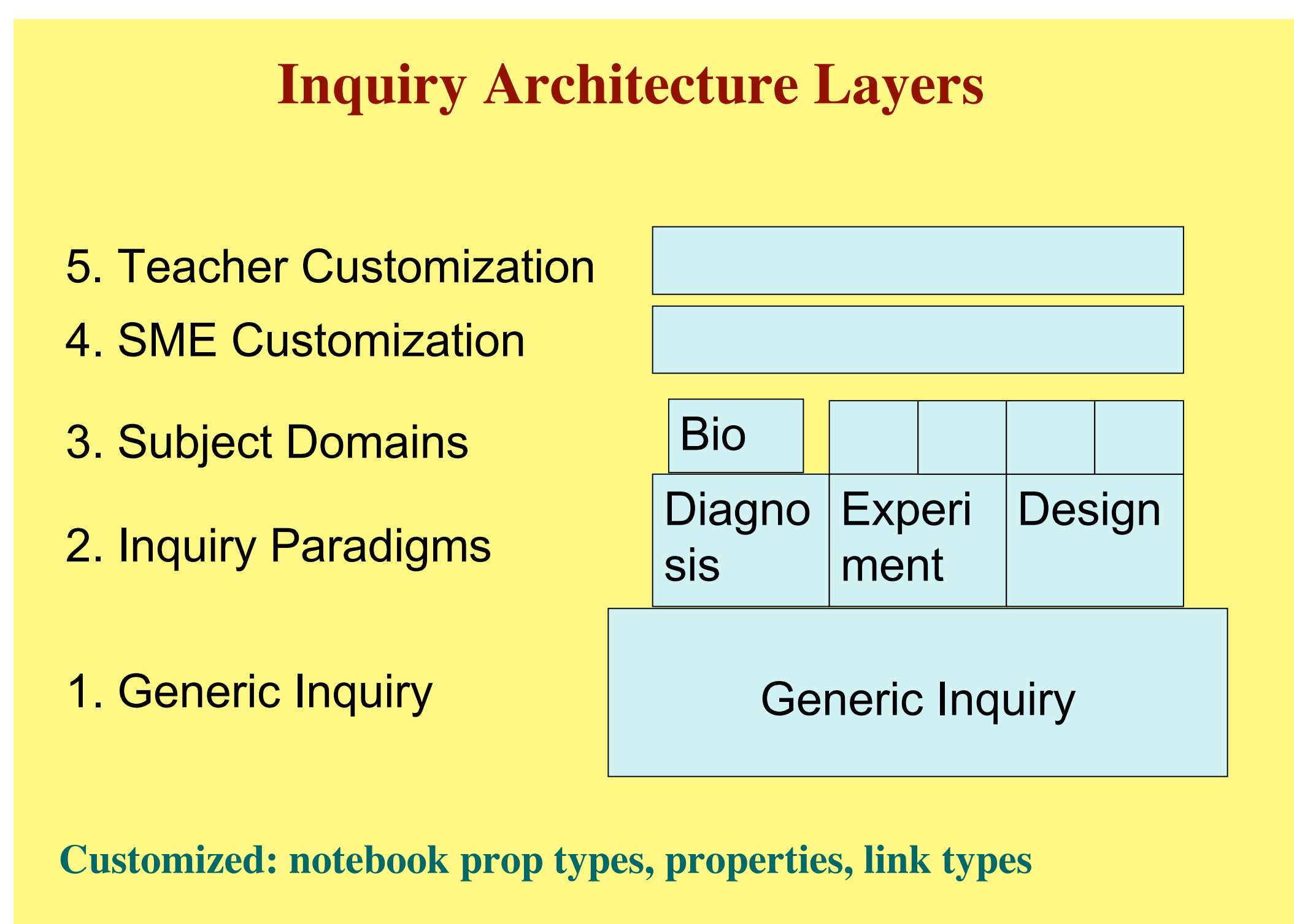
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Key Skills for Inquiry Learning (high school and undergraduate)

- Differentiate** observation (and data) from inferences
- Justify** hypotheses with argumentation links
- Explain** inferences and hypotheses
- Explore** observation, measurement, and information spaces
- Cite** source documents
- Systematically** gather, interpret, and organize information



The screenshot shows the RASHI interface. On the left, there's a 'Patient' case with a tree view of 'Supporting' and 'Refuting' evidence. The main window displays an 'Inquiry Notebook' with a table of propositions and their sources. Below the notebook are various tool boxes: WWW Browser, Library Tool, Real World, Domain Widgets, Case Introduction, Coach, Glossary, Collaboration, and Teacher Tools. Red arrows point from the notebook to the 'Hypothesis Argument' box.



Widgets for domains: Human Biology, Geology, Forest Ecology, Env. Engineering

This collage displays various domain-specific widgets: a 'LABORATORY ORDER FORM FOR BLOOD TESTS', an 'Interview' window with a video feed, an 'Exam Room' interface, a map of California, and a forest ecology interface with a video feed.

Authoring Tools

The Authoring Tools section features a complex network diagram showing relationships between various concepts and rules. To the right is a table titled 'THE FULL RULE SHOWN BELOW (sort by these columns)' with columns for 'Relationshi' and 'Combined-->'. The table lists various rules and their associated concepts.

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