The Generality of Hypothetico-Deductive Reasoning: Making Scientific Thinking Explicit

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Abstract: Lawson presents examples of hypothetico-deductive reasoning so that teachers can use them to explicate how biology, as well as other sciences, is largely hypothetico-deductive in nature. A key element in making hypothetico-deductive thinking explicit to students is to cast it in the form of "If ... and ... then ... And/But ... Therefore ..." arguments.