Questions to Enhance Learning  
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The following table summarizes the Six Levels of the Cognitive Domain first identified in 1972 by Benjamin Bloom, PhD in Educational Psychology. His explanation of how we learn has stood the test of time and has been embraced by medical educators.

The levels he identified represent a progression from mere memorization all the way to effective assessment of a process, product or program. In medical education, memorization, paraphrasing and interpreting, while important, are not sufficient in and of themselves. For physicians to understand and grapple with the complexities of the medical world, they must be able to analyze, synthesis and at times assess what they are seeing.

Medical educators have built on Bloom’s work and have suggested types of questions which can facilitate the higher order thinking important for reflective clinicians. Both educators and learners can use these questions to enhance thinking and learning.

<table>
<thead>
<tr>
<th>Type of Question</th>
<th>Descriptor</th>
<th>Examples</th>
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| **1. Memorization** | Factual and informative | Who, what when where, why  
What are the common characteristics of . . . |
| **2. Paraphrasing** | Express ideas in a different ways | What is meant by . . .  
How can I restate . . . |
| **3. Interpretation** | Recognize relationships | How is this similar to or different from . . .  
What are the implications of . . .  
What will the result be? |
| **4. Analysis** | Recognize and apply rules  
Break down into parts so the organization is clear/  
See if conclusion supported by evidence | When is it appropriate to use . . .  
How do these examination maneuvers for ascites differ?*  
Which are more reliable in predicting ascites?* |
| **5. Synthesis** | Use creative thinking for problem-solving  
Put elements into a whole  
Create an original plan | When might this work in a different setting?  
What would have to change?  
Explain how mental status is related to physical condition.* |
| **6. Evaluation** | Make a judgment about the value or worth of material and methods | Did this have the desired effect?  
How satisfied am I with the outcome?  
Why do you think test A is more valuable than test B?* |

Based on Bloom’s Taxonomy of the Cognitive Domain.  