**What is g? How do complex tasks call it forth?**

<table>
<thead>
<tr>
<th><strong>External Behavior</strong></th>
<th><strong>Internal processes</strong></th>
<th><strong>Practical value</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Observable signs of g at work in people's behavior</td>
<td>Unobservable mental activity when g is at work</td>
<td>Life tasks where more g enhances performance</td>
</tr>
</tbody>
</table>

**Global**
- Learn
- Reason
- Solve problems

**Specific**
- Learn and recall job info
- Organize information
- Spot problems quickly
- Etc.

**Yet more specific**
- Fill in gaps
- Turn things over in your mind
- Transform input to create output

**Tasks are more complex when they are:**
- unpredictable
- changing
- means-ends unclear
- multifaceted
- many alternatives
- ambiguous
- etc.

**Global**
- Information processing
- Mental manipulation

**Global**
- Deal with complex tasks

**Specific**
- See connections
- Make distinctions
- Draw inferences
- Etc.