

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

External Behavior

Observable signs
of g at work in
people's behavior

Global

Learn
Reason
Solve problems

Specific

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

Internal processes

Unobservable mental
activity when *g* is at
work

Global

Information processing
Mental manipulation

Specific

See connections
Make distinctions
Draw inferences
Etc.

Yet more specific

Fill in gaps
Turn things over
in your mind
Transform input to
create output

Practical value

Life tasks where
more *g* enhances
performance

Global

Deal with complex
tasks

**Tasks are more complex
when they are:**

unpredictable
changing
means-ends unclear
multifaceted
many alternatives
ambiguous
etc.