## **Barkley Model of ADHD**

#### **Behavioral Inhibition**

Inhibit prepotent response Interrupt an ongoing response Interference control

## Working Memory (nonverbal)

Holding events in mind
Manipulating or acting on the
events
Initiation of complex behavior
sequence
Retrospective function
(hindsight)
Prosepective function
(forethought)
Anticipatory set
Self-Awareness
Nonverbal rule-governed
behavior
Cross-temporal organization
of behavior

# Internalization of speech (verbal working memory)

Description and reflection
Self-questioning/problem
solving
Rule-governed behavior
(instruction)
Generation of rules and metarules
Reading comprehension
Moral reasoning

### Self-regulation of affect/ motivation/arousal

Self-regulation of affect
Objectivity/social perspective
taking
Self-regulation of motivation
Self-regulation of arousal in
the service of goal-directed
action

#### Reconstitution

Analysis and synthesis of behavior Verbal fluency/behavioral fluency Rule creativity Goal-directed behavioral creativity and diversity Behavioral simulations Syntax of behavior

### Motor control/fluency/syntax

Inhibition of task-irrelevant responses
Execution of goal-directed responses
Execution of novel/complex motor sequences
Goal-directed persistence
Sensitivity to response feedback
Behavioral flexibility
Task re-engagement following disruption
Control of behavior by internally represented information