

# ***Cognition 1st edition Glass Solutions Manual***

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## Chapter 2

### **Is a voluntary action controlled by the organism or an external stimulus?**

A voluntary action is initiated and controlled by the organism.

### **What role does the instrumental system play in learning?**

The instrumental system controls the response to a novel target. Hence, when something new is learned, the instrumental system is initially in control of the response.

### **What role does the habit system play in learning?**

The habit system creates robust representations of sequences of actions. These sequences come to control the retrieval of the memory of a routine task or event. Hence, when a task have been practiced or an event is familiar, the habit system is in control of the response.

### **What influences the probability that a voluntary action will be made to a target?**

The probability of a voluntary to a target is determined by the intensity of emotional response to the target and a person's experience with identical and similar targets. Intense emotions inhibit task-irrelevant processing and facilitate the selection of a successful action to a similar target in the past.

### **What is the definition of consciousness?**

Consciousness is another label for voluntary action.