

9.01 Study Questions, Introductory Lectures

Session 4: Lecture

- 1) Diagram the flow of information in a simple model of behavior control based on reflexes.
- 2) Applying this model to "segmental reflexes", indicate the correspondence of the elements of your model to axonal pathways and connections. [We will return to this later in the class: see Syllabus, Motor Control 1.]
- 3) Insert, in a diagram similar to that in question 1, a simple model of hunger as a gating mechanism. Describe one response in a human baby that is probably under such control.
- 4) What is a suprasegmental reflex arc (or "higher" reflex arc)?
- 5) What type of higher functions can you think of that probably cannot be explained using the straight-through processing model based on reflexes?