

Questions with short answers (choose 3)

- S1. Describe briefly Broca's aphasia and the possible function of Broca's area (you achieve extra points by drawing a brain with the location of Broca's area).
- S2. Provide one example of a circadian clock and describe one region in the brain that is strongly involved in the coordination of circadian clocks.
- S3. Provide an example of a bottom-up process in visual perception. Why is it called bottom-up?
- S4. Why have monoamines been the main suspect in theories of the neurobiological basis of affective disorders?

Questions with long answers (choose 1)

- L1. What is memory? How is memory formed in neurons, networks, and brain systems?
- L2. Appetite needs to be regulated independently on a short **and** on a long timescale. Describe the different mechanisms by which this is achieved.