

Worksheet for lecture 13

- Draw a simple diagram of the medial surface of a human brain. Label the major parts of the diencephalon in this view. List the main functions of each of the four main parts of the diencephalon. Add the pituitary gland to your drawing.
- Draw a simple outline of a dorsal view of the thalamus. Add the internal medullary lamina. Label each of the three main regions separated by the internal medullary lamina.
- Make a three column table where one column lists the following sensory modalities: somatosensory, auditory and vision. In the second column, list the main thalamic relay nucleus for each of these sensory modalities. In the next column, list the position of the primary sensory cortex for each modality. [Note: This was only covered briefly in lecture 13, but we will come back to this over the next two weeks.]
- What is the role of the thalamic reticular nucleus?
- Draw a simple diagram of a coronal section through the forebrain. Outline and label the telencephalic components of the basal ganglia. Label the internal capsule. If your section is back as far as the thalamus, outline and label it as well.