

### **Worksheet for lecture 38**

- How long after axotomy is function distal to the injury lost? Why?
- Why can axotomy cause action potentials to be generated in the injured axons?
- What is Wallerian degeneration?
- What is chromatolysis and what causes it?
- In the central nervous system, axons do not regenerate successfully following injury. What are the three main reasons that neuroscientists have suggested to explain why CNS axons fail to regenerate?