

## Psychology open evening question answers

Tim is struggling to speak, and he has paralysis on his right hand side. Where might this relate to in his brain?

*This would relate to his left frontal lobe. Broca's area controls speech production, and the motor cortex controls movement in the opposite side of the body.*

If someone had damaged the left temporal lobe, what would you expect in terms of behavioural changes?

*They would struggle to comprehend language (Wernicke's area) and also to hear (the auditory cortex)*

If someone had damaged the motor cortex in the right hemisphere of the brain, what would you expect signs of this to be?

*They would struggle with movement on the left side of their body. They wouldn't have issues with speech though, as Broca's area is thought to be in the left hemisphere but not the right.*