**Localisation of Function in the brain**

The human brain is simply one of the most complex biological systems. There are some theorists that argue different areas of the brain perform specific tasks. This is a **localisation** view. However, others suggest the brain is far more interdependent, in other words *many* areas of the brain are responsible for single tasks. This is a holistic or **multi-functional** view.

**Task 1.** Using your pack and the video on the website (Localisation clip), try and complete the following questions.

1. How many hemispheres is the brain divided into?
2. What are they called?
3. Activity on the **left** side of the body is controlled by the \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and
4. Activity on the **right** side of the body is controlled by the \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Task 2.** Label the brain diagram from the YouTube clip on Psych205

(from 8.35 mins- just the cerebral cortex and the lobes)

The Cerebral cortex is the outer layer of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and makes up \_\_\_\_\_ of the brain

1. State the **location** in the brain for each of the following
2. The Motor Area \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. The Somatosensory Area\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. The Visual Area\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. The Auditory Area\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Take brief notes (or create a mind map) on each of the above areas in particular its **function** and fill out the grid below**.**

|  |  |
| --- | --- |
| **Motor Area** | This area controls… |
| **Somatosensory Area****(and give an example)** |  |
| **Visual****(can you briefly sketch how it works?)** |  |
| **Auditory Area** |  |

1. What are the two **language** areas of the brain? Explain their function and add them to your brain diagram.