

Where space is not provided, write your answers on a separate piece of paper.

## Brain Development

- 1 Name **two** parts of a neuron. [2]
- 2 An unborn baby's brain areas have developed by halfway through pregnancy. True or false? [1]
- 3 Define plasticity. [2]
- 4 What is the difference between the brain stem and a stem cell? [2]

## Nature and Nurture

- 1 Which side of the nature versus nurture debate states that genes play a more important role in human development than the environment? [1]
- 2 Name a type of research study that can be done to help provide evidence about the role of genes in development. [1]
- 3 Tick (✓) or cross (X) the statements to indicate whether they are true or false. [4]

Statements	True (✓) or false (X)?
Identical twins tend to be more similar in intelligence than non-identical twins.	
If one identical twin has a mental illness, then the other twin will definitely get it too.	
If a gene is expressed, this means that it causes a protein to be produced, affecting development.	
Cases where twins are raised by different families are rare and difficult to study.	

- 4 Explain the nurture side of the nature versus nurture debate. [4]

## Piaget's Theories 1 and 2

- 1 Complete the following sentence: [1]  
Piaget believed children develop \_\_\_\_\_, which change and develop as they grow up through the processes of assimilation and accommodation.