

Test 4

Questions 1–8

Complete the notes below.

Choose **ONE WORD ONLY** from the passage for each answer.

Write your answer in boxes 1–8 on your answer sheet.

Ysabel Giraldo's research

Focused on a total of **1** different age groups of ants, analysing

Behaviour:

- how well ants looked after their **2**
- their ability to locate **3** using a scent trail
- the effect that **4** had on them
- how **5** they attacked prey

Brains:

- comparison between age and the **6** of dying cells in the brains of ants
- condition of synaptic complexes (areas in which **7** meet) in the brain's 'mushroom bodies'
- level of two **8** in the brain associated with ageing

Questions 9–13

Do the following statements agree with the information given in Reading Passage 1?

In boxes 9–13 on your answer sheet, write

TRUE if the statement agrees with the information
FALSE if the statement contradicts the information
NOT GIVEN if there is no information on this

- 9 *Pheidole dentata* ants are the only known animals which remain active for almost their whole lives.
- 10 Ysabel Giraldo was the first person to study *Pheidole dentata* ants using precise data about the insects' ages.
- 11 The ants in Giraldo's experiments behaved as she had predicted that they would.
- 12 The recent studies of bees used different methods of measuring age-related decline.
- 13 *Pheidole dentata* ants kept in laboratory conditions tend to live longer lives.