

## Australian Brain Bee Challenge Round 2 State Finals

Questions for Round 2 will be based on the information contained in the **2012 edition** of the book **Brain Facts**. *A Primer on the Brain and Nervous System* by the Society for Neuroscience (SFN). This is the updated version of *Brain Facts* that has been used in previous years. This book can be downloaded free at the Australia-New Zealand Brain Bee Challenge website under Resources or at <http://www.brainfacts.org/about-neuroscience/brain-facts-book/>  
Read this book carefully and you will be ready to compete! No questions will be asked from the Neuroethics chapter.

Here's how the competition runs:

### Individual Challenge

**Part A – Short answer questions** (these will require one or two word answers). The questions will be presented to the students via a powerpoint presentation. There will be 15 short answer questions in Part A. All students competing in the **Individual Challenge** will sit the test simultaneously.

**Part B – Anatomy Challenge** – all students in the **Individual Challenge** compete - Pictures from the new 2008 edition of *Brain Facts* will be used – students will need to identify brain structures and write the answer (15 Q's given). Again, the entire cohort of students competing in the **Individual Challenge** will be administered the questions simultaneously via powerpoint.

**\*\*\*Top 4-8 students overall from both A and B go on to compete in part C:**

**Part C – Oral exam (Individual Challenge Final) –**

- 1) All students competing will be asked the same questions and asked to write the answer on a sheet of paper (15 questions asked). The top three students continue to compete. (Tie-breaker rounds will be at the discretion of the organizers).
- 2) Top three students are asked 12 Q's (all asked the same question) – In this round students will be allowed to choose which chapter the question comes from (but the chapter can only be chosen once by the entire group of students competing). Students will write their answer down and then they will have to read out their answer. First, second and third placements decided after the 12 questions (Tie-breaker rounds will be at the discretion of the organizers).

### Team Challenge

- 1) In the **Preliminary Final** all students in each team will be asked the same question simultaneously - a total of 20 questions will be asked. Students will confer and then write down the answer.

**\*\*\*Three teams will advance to the Team Challenge Final**

- 2) The **Team Challenge Final** will be in two parts.
  - a. **In part a**, one student per team will be asked the same question at the same time (the team does not confer to come up with the answer) and their cumulative score will be used as the team score. At the start of the round, team members will be allowed to choose the category of their question from the chapter headings of *Brain Facts*. (12 questions will be asked in this way so that each student will have the opportunity of selecting a chapter of the question to be asked - each student will answer three questions overall – the student answering will rotate around the team, all team members must answer 3 questions). The chapter may only be chosen once by the entire cohort of students competing.
  - b. **In part b**, a further 10 questions will be asked of the entire team where the category will not be nominated by the student. Team members will be allowed to confer to answer these questions. The competition will continue until first, second and third prize winners are determined. (Tie-breaker rounds will be at the discretion of the organizers).