

148 . As a treatment, deep stimulation of the brain .....

- a. was initially used for Alzheimer's sufferers
- b. turned Alzheimer's to a curable disease
- c. was already practiced with certain other diseases
- d. eradicated the brain's negative neural activities

149 . The treatment targeting Alzheimer's so far .....

- a. remains to be well settled
- b. substitutes Parkinson's remedy
- c. is rather conclusive
- d. is quite optimal

150 . The researchers are .....

- a. far from understanding what underpins Alzheimer's
- b. still looking for a device stimulating the brain
- c. estimating the exact number of Alzheimer's sufferers in the world
- d. making progress toward what strikes the elderly

151 . To stimulate the brain, surgeons .....

- a. should distract the key nerve in the brain
- b. send intensive impulses to the brain
- c. should highlight the brain's memory capacity
- d. set the brain pacemaker near the fornix

#### Passage 4

Evolution of cells is closely linked to the evolution of life. Evolution of life was probably preceded by a chemical evolution. It seems that about 4 billion years ago conditions on earth favored the formation of a few simple carbohydrates, amino acids and nitrogenous bases from the atmospheric gases. The packaging of these compounds in a membrane resulted in the formation of primitive cells. These cells somehow 'learnt' to oxidize their contents to release energy, and replenished their contents from the surroundings. But gradual depletion of ready-made compounds in the environment compelled the evolution of mechanisms to synthesize at least carbohydrates from the atmospheric carbon dioxide. The crucial step which gave 'life' to these chemical factories was the evolution of mechanisms for self-replication accompanied by information transfer. Once the cell could divide, and pass on information so that products of the division would also behave like the parent, the basic features of life had been achieved.

152 . The passage aims at describing the .....

- a. origin of cell
- b. history of evolution
- c. evolution of organisms
- d. events of four billion years ago

153 . About 4 billion years ago, a chemical evolution ..... the formation of cells.

- a. resulted from
- b. led to
- c. was preceded by
- d. followed from