

Use of English

For questions 1-15, read the text below and decide which answer A, B, C, or D best fits each space.

Bears

Scientists in the United States have found that hibernating bears manage to keep fit in their sleep. The (1) _____ that over 130 days of winter hibernation bears (2) _____ only a quarter of their muscle power was made by (3) _____ from the University of Wyoming. The scientists (4) _____ samples from black bears at the start and finish of the hibernation. The researchers had to (5) _____ attach devices to the bears and this meant (6) _____ into the caves (7) _____ the autumn and spring. They attached a machine to the bears' legs for (8) _____ muscle strength. The device was (9) _____ to a computer and very small electric (10) _____ were sent to the bears' nerves causing the legs to move suddenly and the measurement was then taken.

The scientists are (11) _____ that their research will enable them to help humans that are confined (12) _____ bed for a long time. Human beings that are (13) _____ for 130 days lose a/an (14) _____ 90% of their body strength. Furthermore, in the future there might be long-distance space (15) _____ and the effects of lack of muscle movement will need to be considered.