

Intermediate Science Bee

Dear Contestants

Please note that the following Intermediate Science Bee questions are for guidance only. The actual questions in the contest may vary. Syllabus is the basis on which the question papers are set.

- 1 Which of these biomes carries the most species?
 - A. Grassland
 - B. Tropical rainforest
 - C. Temperate deciduous forest
 - D. Coniferous Forest
 - E. Tundra

- 2 Earthquake activity or magnitude is measured using an equipment called ____
 - A. Quakegraph
 - B. Seismograph
 - C. Thermograph
 - D. Quakometer
 - E. Seismotron

- 3 Rocks formed from the cooling and crystallization of hot magma are known as ____
 - A. Sedimentary
 - B. Igneous
 - C. Metamorphic
 - D. Prehistoric rocks
 - E. Pressurized rocks

- 4 The electrons in an atom are
 - A. Concentrated inside the nucleus of the atom
 - B. Equally distributed outside the nucleus
 - C. Distributed in shells around the nucleus
 - D. Distributed continuously inside and outside the nucleus
 - E. Concentrated inside the nucleus of the atom

- 5 Sam believes there might be a relationship between the number of herbivores and the number of scavengers in a grassland biome. To test this, he counts the number of herbivores and scavengers in 1000 grasslands, and makes the interesting observation that these 2 numbers follow this equation: $S = 250 + 3H$, where S = number of scavengers, and H = number of herbivores. Which of the following is not true?
 - A. The number of scavengers increases as the number of herbivores increase.
 - B. There is a positive correlation between the number of scavengers and herbivores.
 - C. Even if there are no herbivores, there is at least 250 scavengers.
 - D. The number of scavengers exceeds the number of herbivores.
 - E. As the number of herbivores decrease, the number of scavengers increase.