



NATIONAL Science Bee

SAMPLE QUESTIONS FOR PRACTICE FOR INTRAMURAL AUDITORIUM-STYLE BEE

The actual National History Bee Intramural Auditorium-Style Bee will consist of 100 short orally-posed questions. 25 are presented here in the style and format that will be used for this competition.

- 1) Which geological features carved by glaciers are prominent along the coast of Norway and are characterized by inlets with steep cliffs?
- 2) What is the only prime number that is also an even number?
- 3) The Golden Lion Tamarin, Capybara, and Giant Anteater are all native to which continent?
- 4) What common medication is also known as acetylsalicylic acid?
- 5) Which element, the lightest by atomic weight of the halogens, has important applications for dental hygiene, and has the highest electronegativity of any element?
- 6) Which portion of the digestive tract connects the mouth with the stomach?
- 7) Which word is used to refer to different varieties of a chemical element that have different numbers of neutrons?
- 8) Which recently deceased scientist names a type of radiation associated with black holes?
- 9) Which element is often added to table salt to prevent deficiency diseases, such as goiter and Graves' Disease?
- 10) Which technology company developed the influential MS-DOS operating system for the IBM personal computer?
- 11) Which man won a Nobel Prize for his discovery of the photoelectric effect, but is more famous for his other theories?
- 12) Krakatoa and Tambora are two examples of what geologic formation in Indonesia?

- 13) The internal angles of a triangle always sum up to how many degrees?
- 14) By definition, which element is present in all organic compounds?
- 15) Granite and basalt are two common types of which of the three major classifications of rocks?
- 16) Which alkali metal is used in medicines and batteries and is the third lightest element?
- 17) In degrees Celsius, what is the boiling point of water?
- 18) Which quantity can be found for an object by multiplying mass and velocity?
- 19) *Canis lupus* is the scientific name for which animal, which has been reintroduced to Yellowstone National Park?
- 20) What scale is used to measure the hardness of minerals, with its highest value being 10 for diamond?
- 21) Which ecosystem and namesake of a National Park in Southern Florida has been harmed by the spread of the invasive Burmese Python?
- 22) James Watson and Francis Crick discovered that what molecule has a double helix structure?
- 23) Which compound has a chemical symbol of O₃ and is associated with a namesake layer in the stratosphere?
- 24) Which French chemist developed a vaccine for rabies and invented a process to destroy microorganisms in dairy products?
- 25) What is the name for a positive integer equal to the sum of its positive divisors excluding itself?