

24 Which microorganisms have a length that is equal to the wavelength in free space of an electromagnetic wave that is visible to the human eye?

A algae of length $0.5\ \mu\text{m}$

B bacteria of length $5.0\ \mu\text{m}$

C fungi of length $50\ \mu\text{m}$

D protozoa of length $100\ \mu\text{m}$

25 The wavelength of an electromagnetic wave in free space is $100\ \mu\text{m}$. Which of the following microorganisms has a length that is equal to the wavelength?