

# Checkpoint 2a



Your iclicker operates at a frequency of approximately 900 MHz ( $900 \times 10^6$  Hz).  
What is the approximately wavelength of the EM wave produced by your iclicker?

- 0.03 meters
- 0.3 meters
- 3.0 meters
- 30. meters

$$C = 3.0 \times 10^8 \text{ m/s}$$

Wavelength is equal to the speed of light divided by the frequency.

$$\lambda = \frac{c}{f} = \frac{300,000,000}{900,000,000} = \frac{1}{3}$$

Check:

Look at size of antenna on base unit

EM waves from an iclicker: Question 1 (N = 825)

