

Questions

Q1.

A toy produces continuous waves when floating on the surface of a pool of water.

The waves spread out as circular wavefronts.

Diagram 1 shows the wavefronts produced when the toy is not moving, as viewed from above.

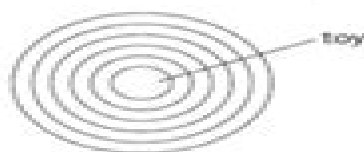


Diagram 1

Diagram 2 shows the wavefronts produced when the toy is moving across the surface of the pool of water.



Diagram 2

(a) Draw an arrow on diagram 2 to show the direction the toy is moving.

(1)

(b) Explain how the frequency of the waves at point A is different to the frequency of the waves at point B.

(4)

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Physics Fundamentals 2004 Wave Properties In A Spring Answers

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Cornell University Courses of Study Cornell University, 2004 Mathematical Reviews , 2005

Generation-to-Generation Communications in Space Physics Joseph E. Borovsky, Elena E. Grigorenko, Jorge Luis Chau, Yoshizumi Miyoshi, Maria Usanova, Georgia Adair De Nolfo, Antonella Greco, Noora Partamies, 2023-06-08 **AGU 2004 Joint Assembly** American Geophysical Union. Joint Assembly, 2004 **Spring Meeting** American Geophysical Union. Meeting, 1998 *Fundamentals of Physics, Part 4 (Chapters 33-37)* David Halliday, Robert Resnick, Jearl Walker, 2004-05-05

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