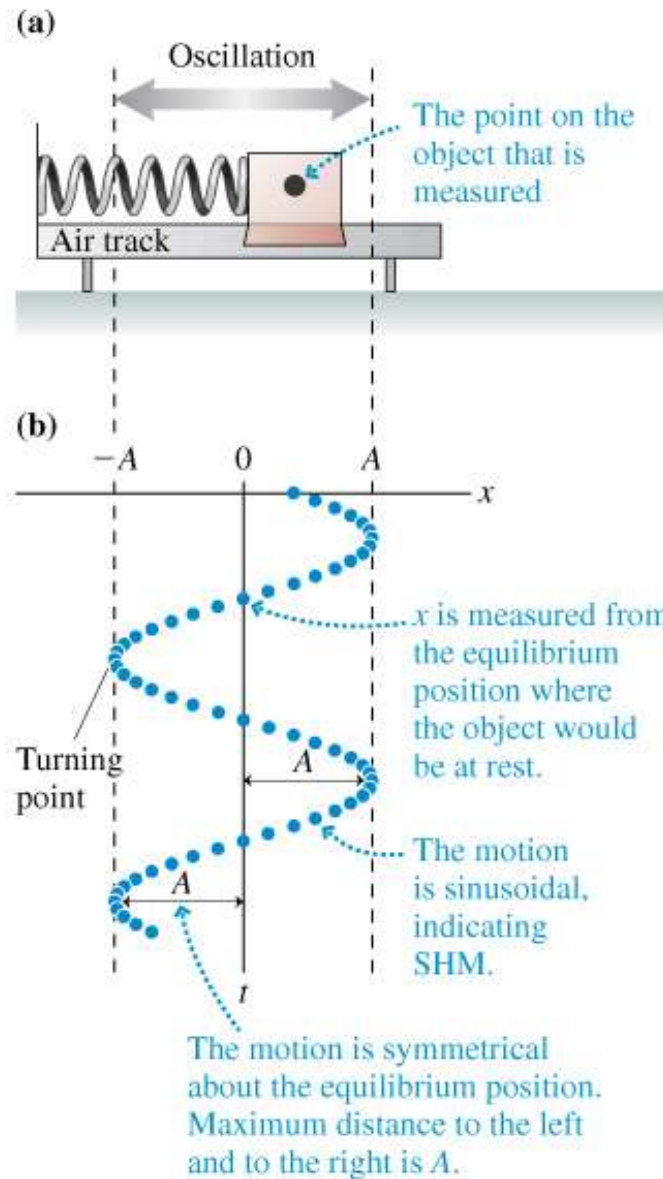
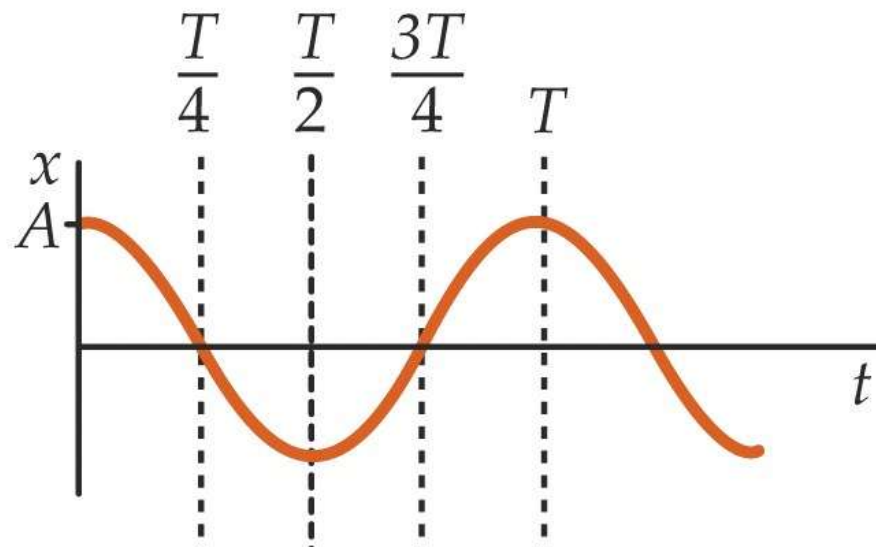
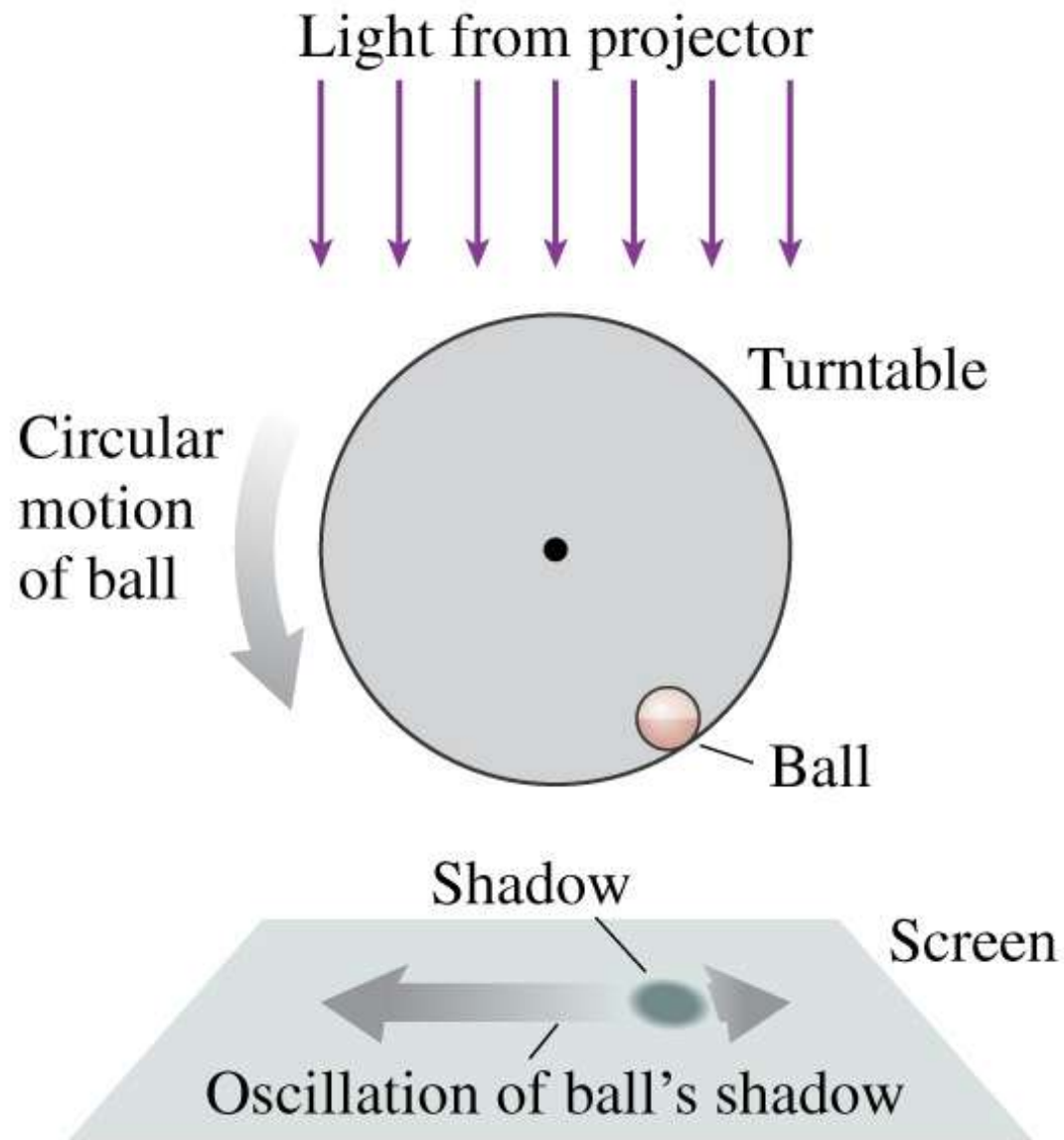


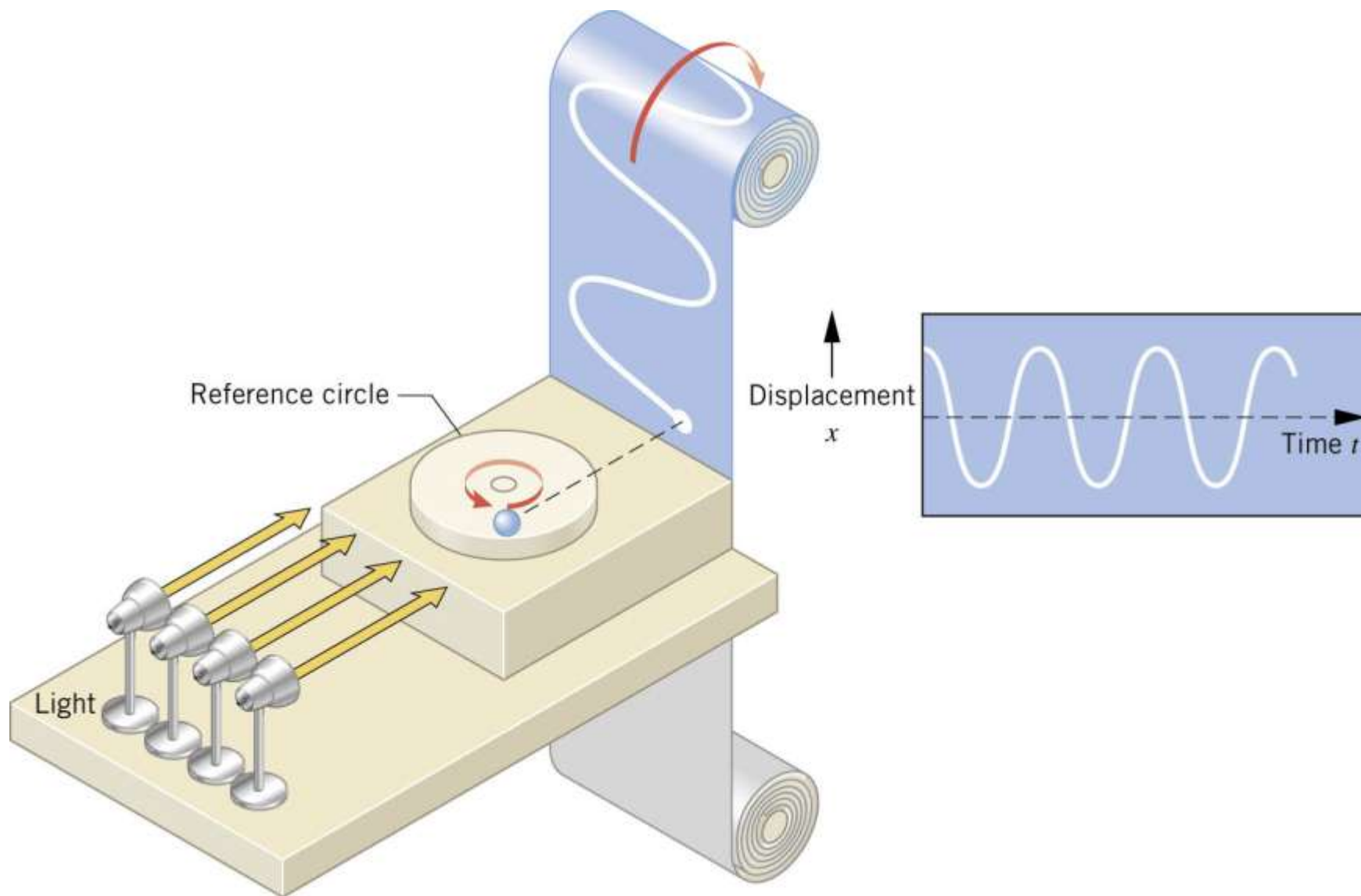


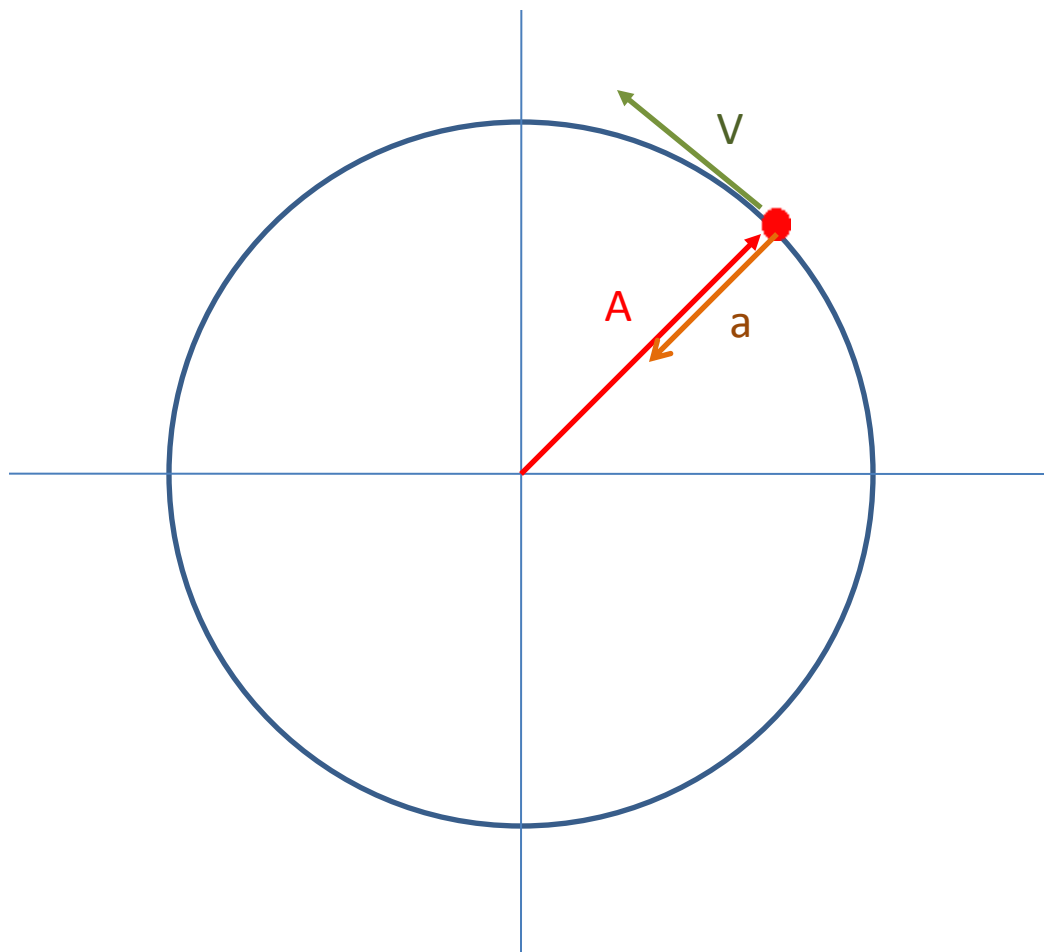


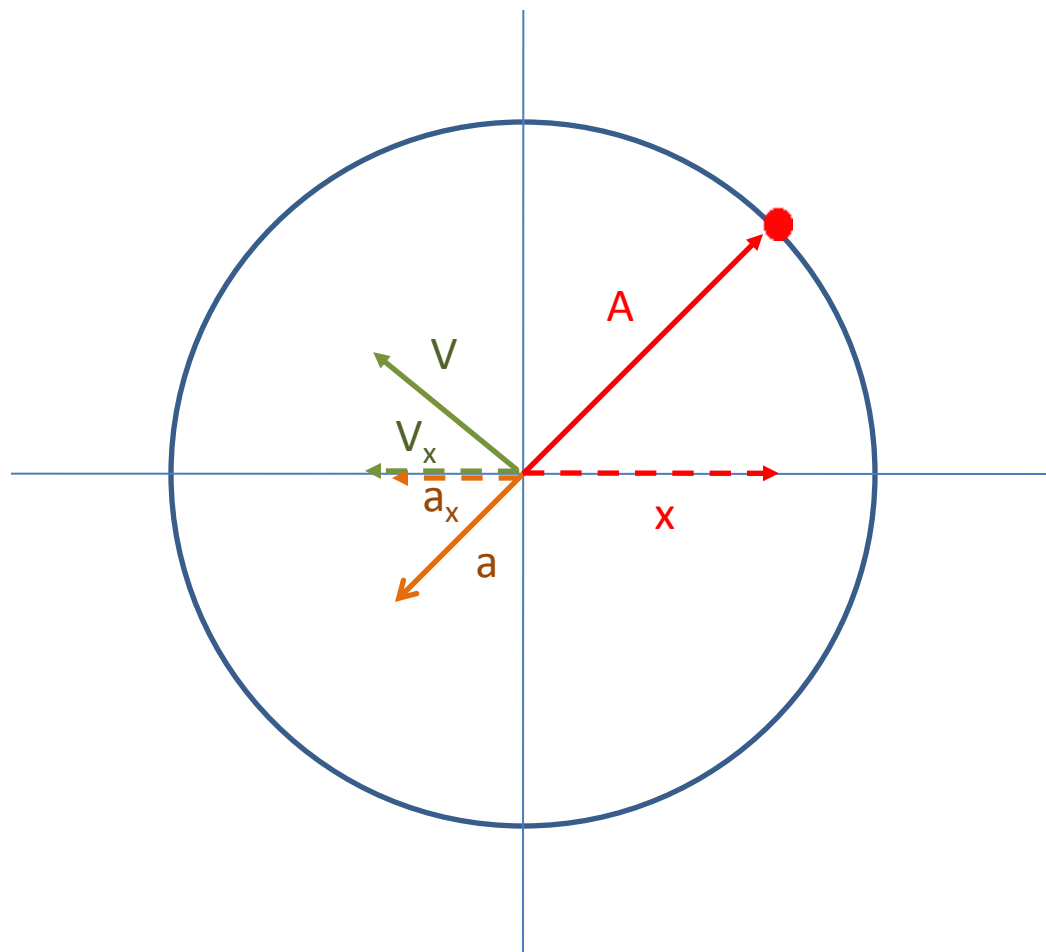
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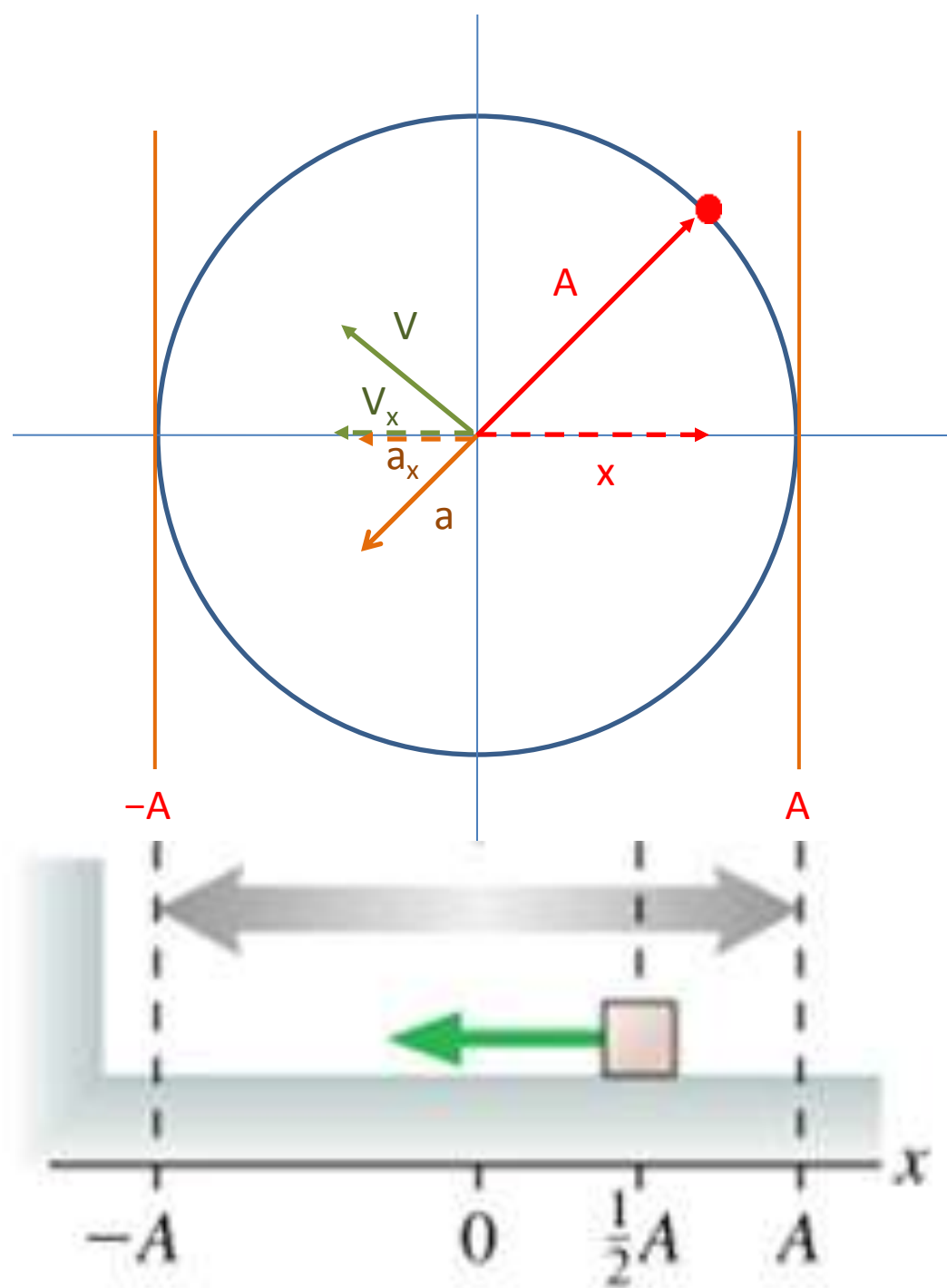
(a)

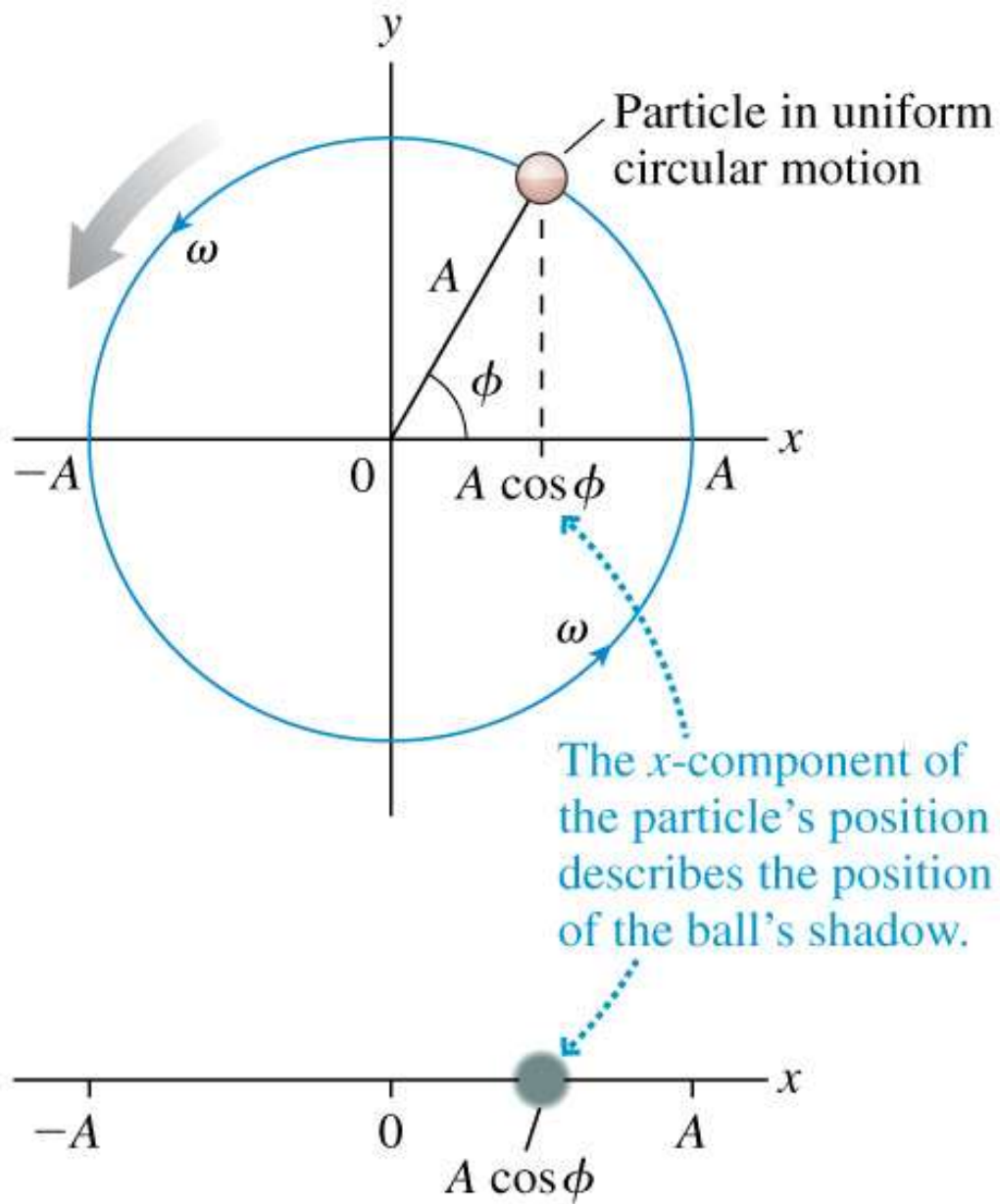


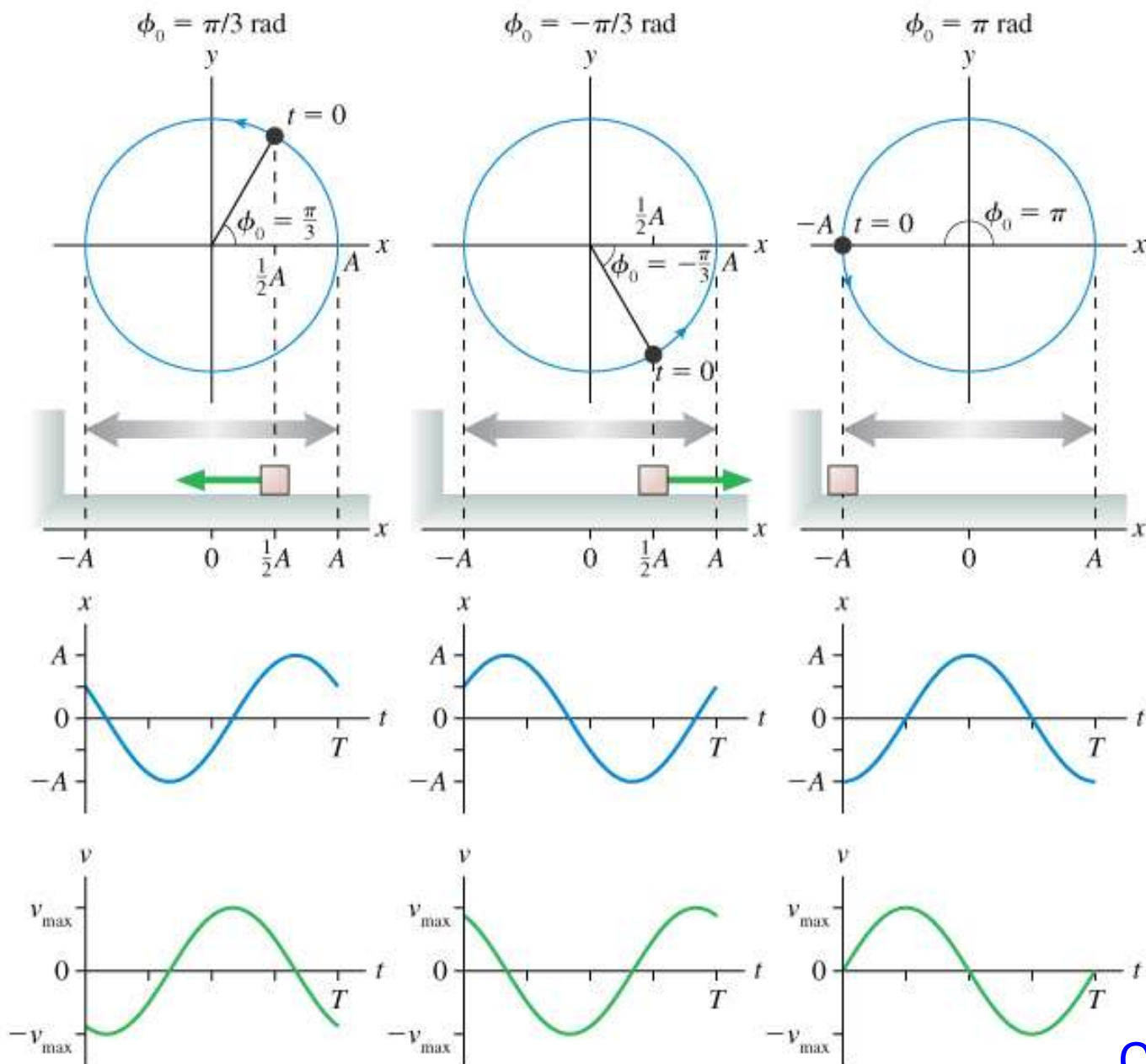






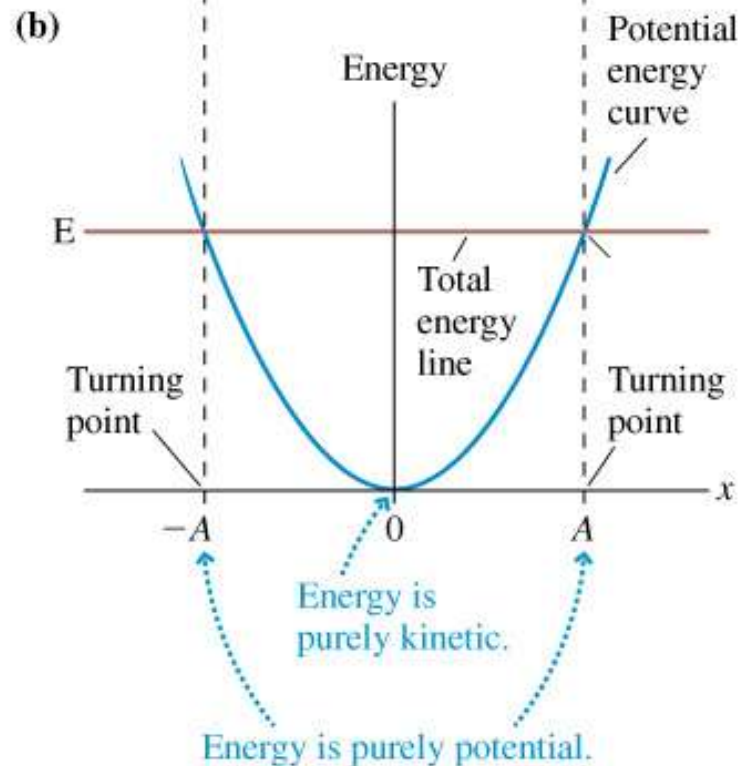
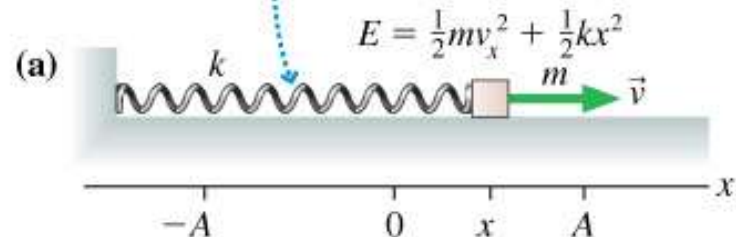




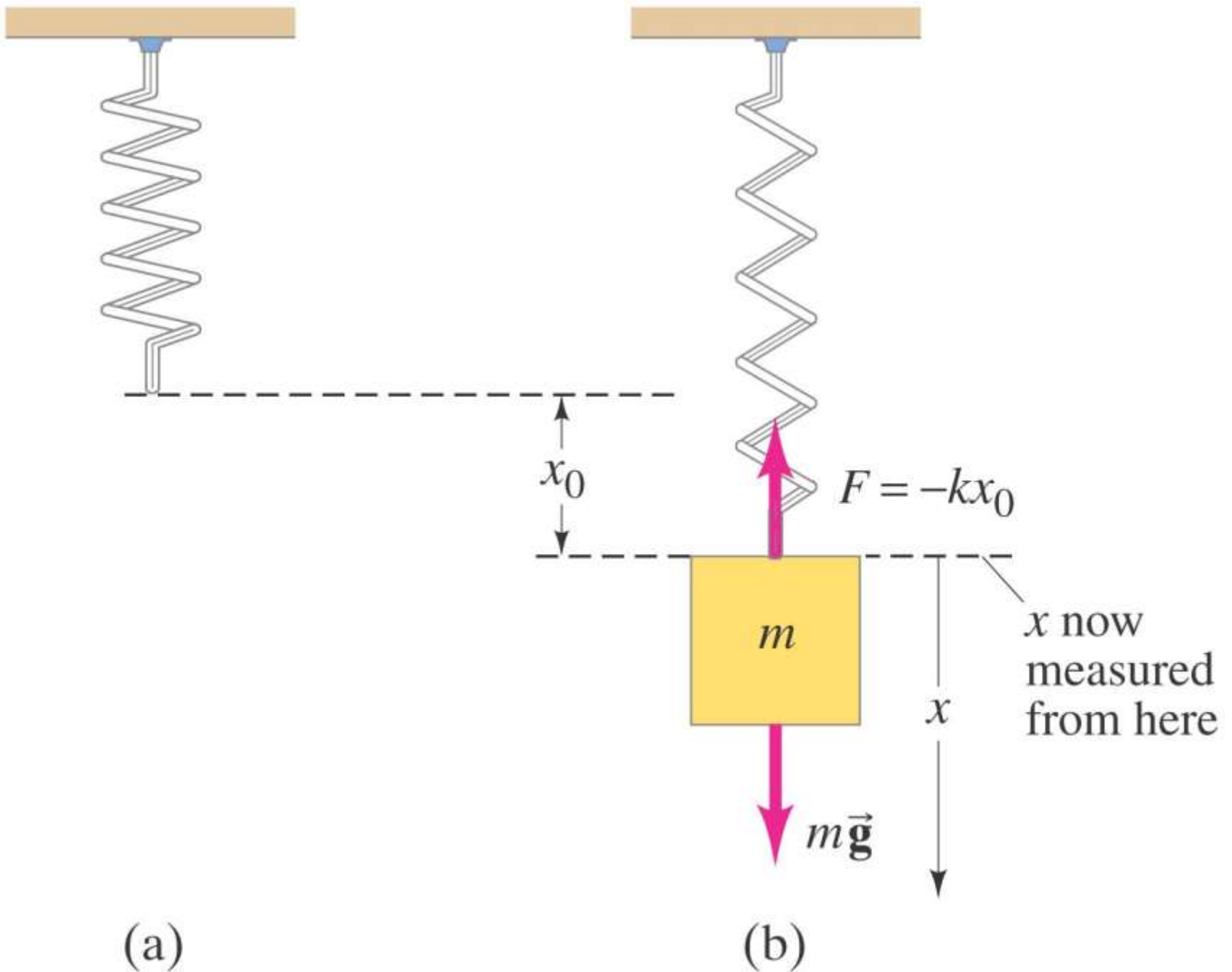


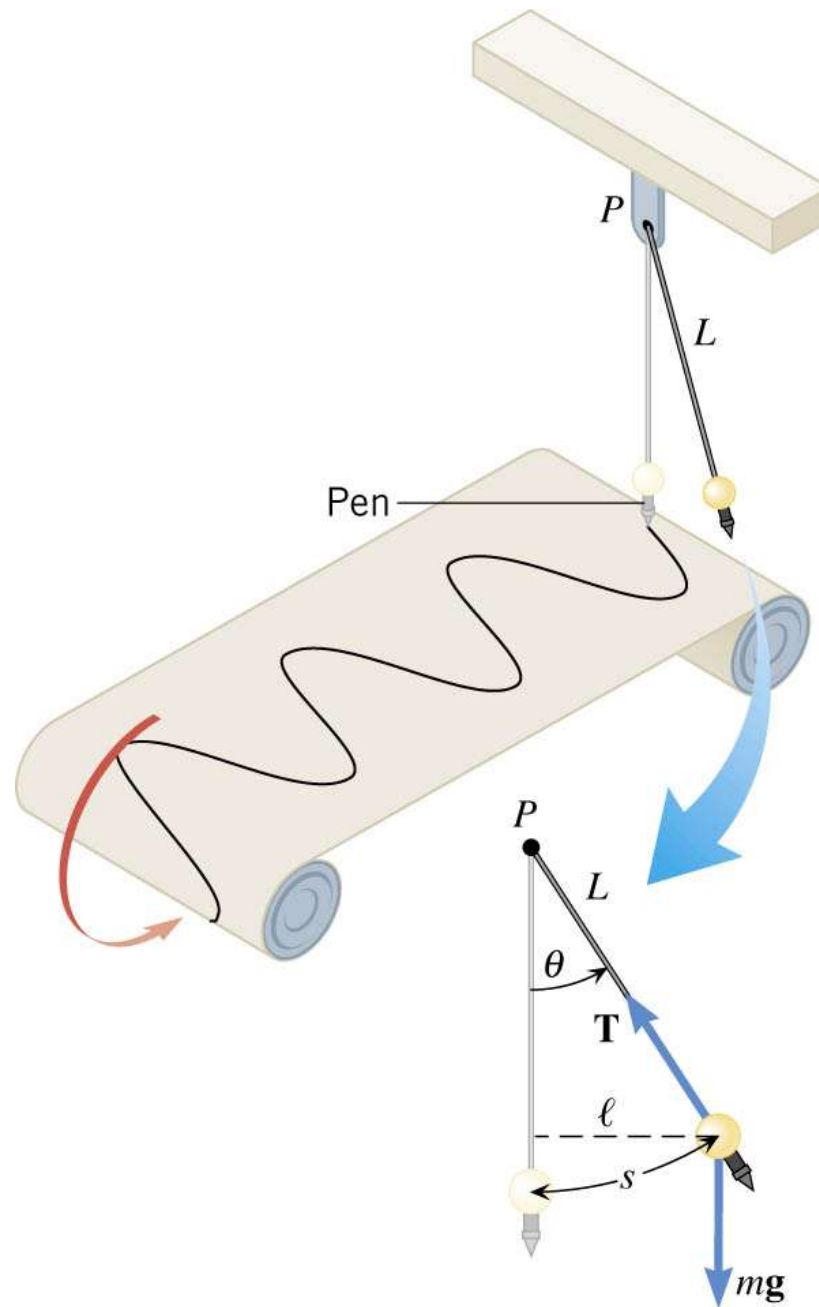
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Energy is transformed between kinetic and potential, but the total mechanical energy E doesn't change.

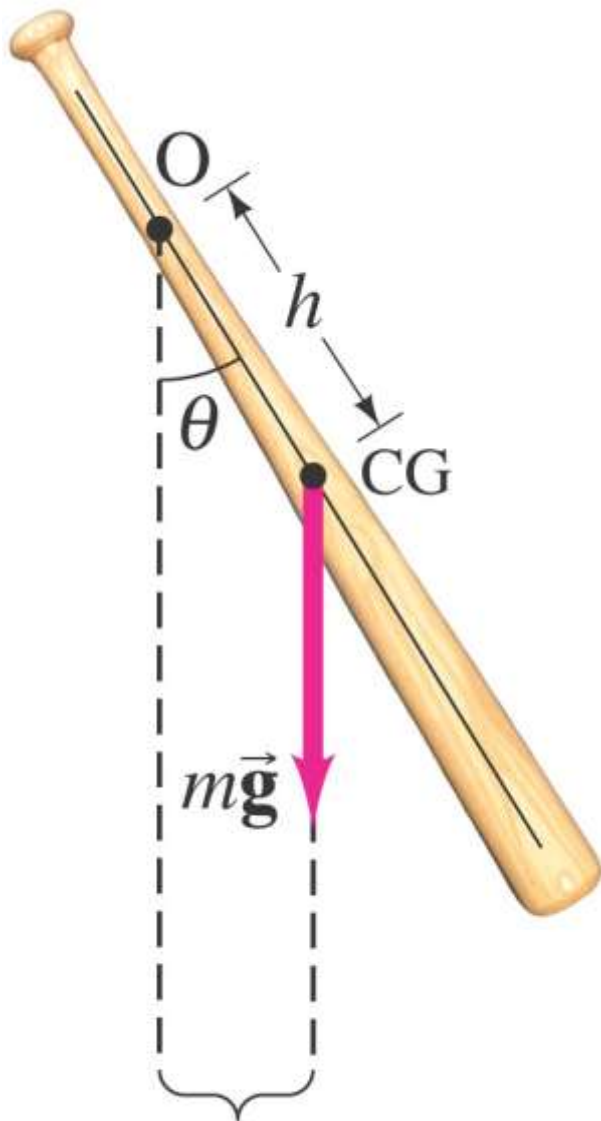


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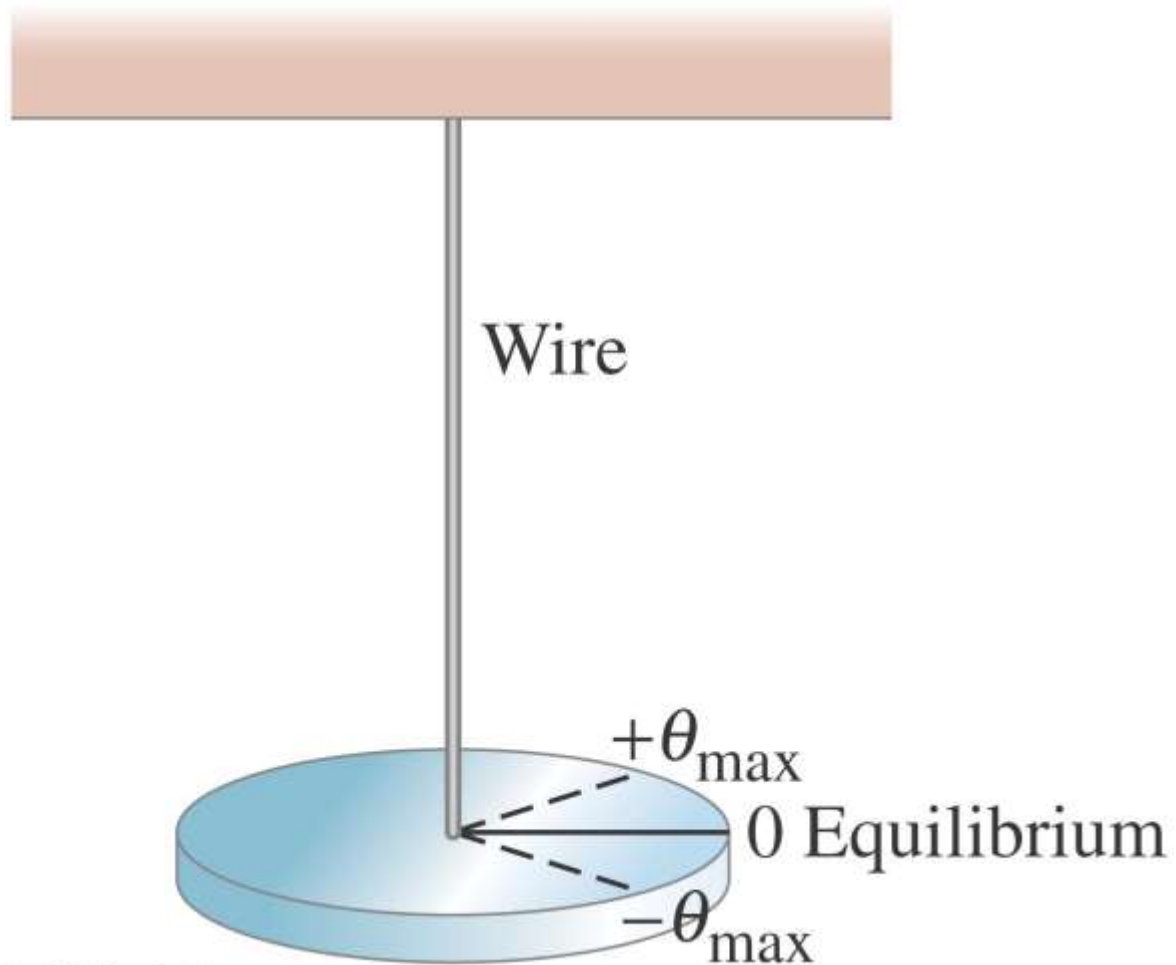
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$$d_{\perp} (= h \sin \theta)$$

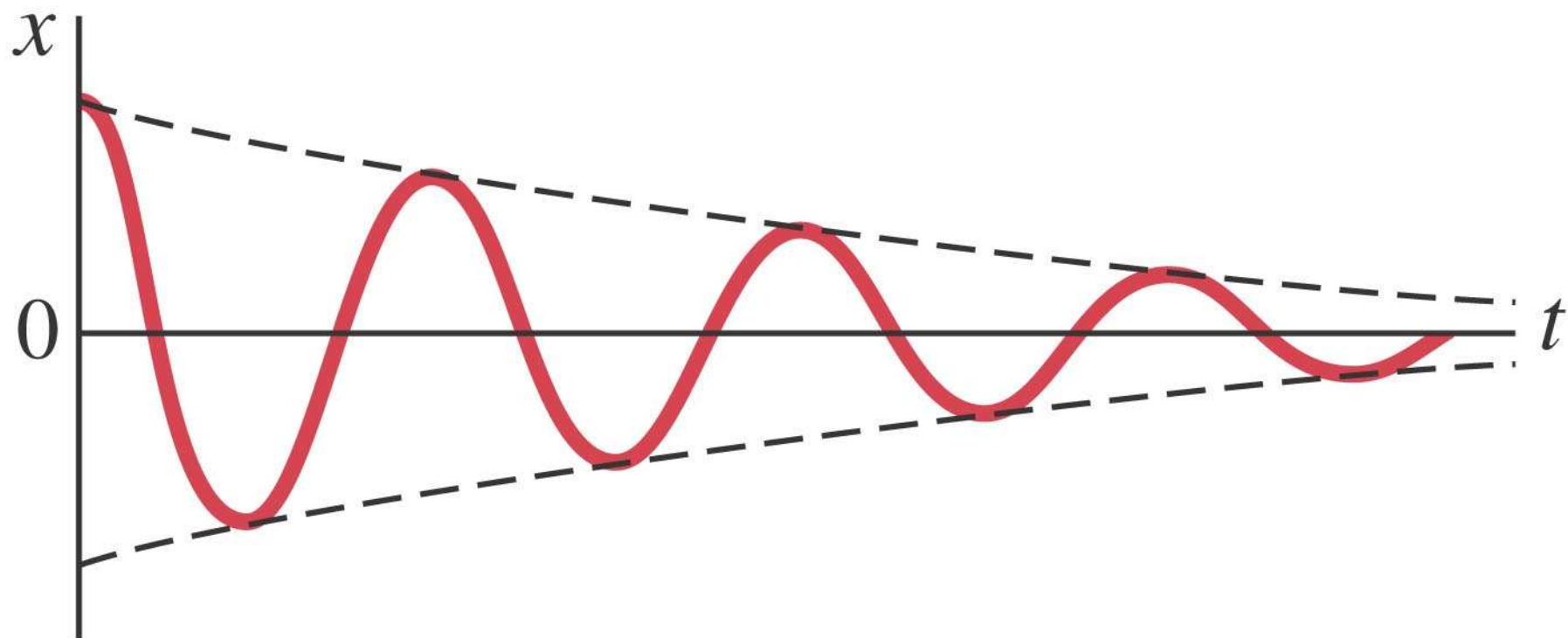
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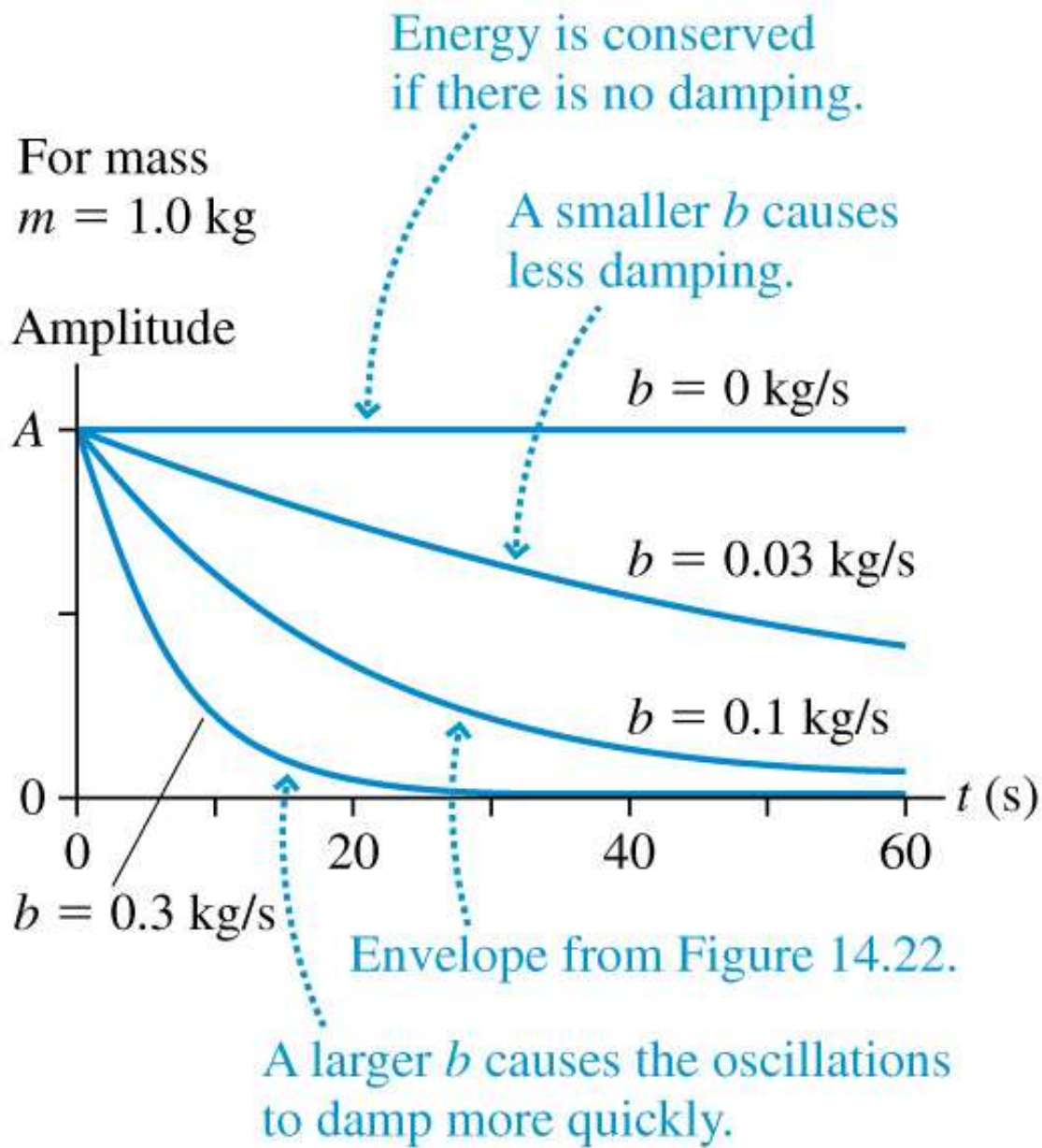
$$\omega = \sqrt{\frac{mgh}{I}}, \quad I \text{ is rotational inertia}$$

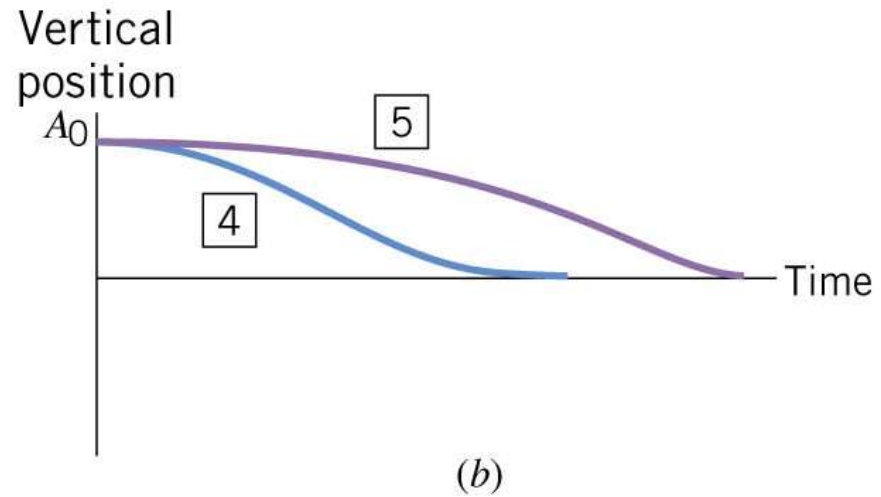
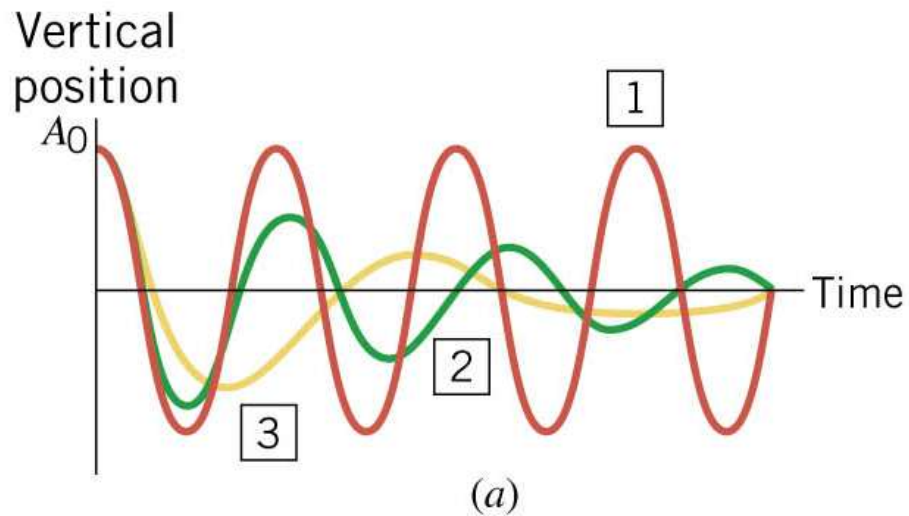
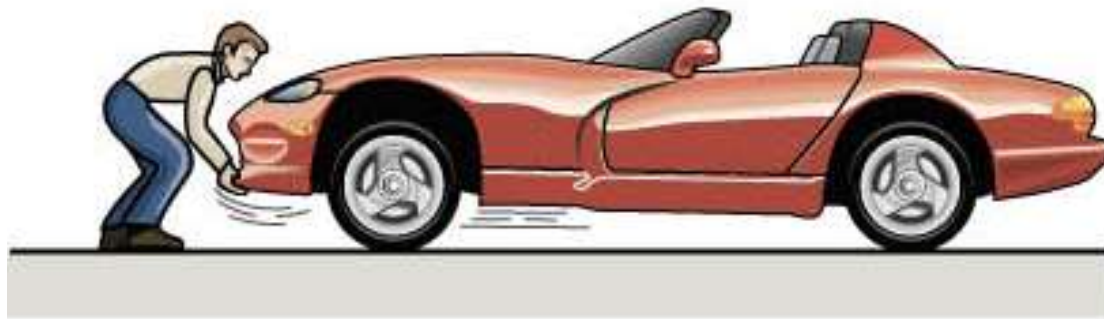


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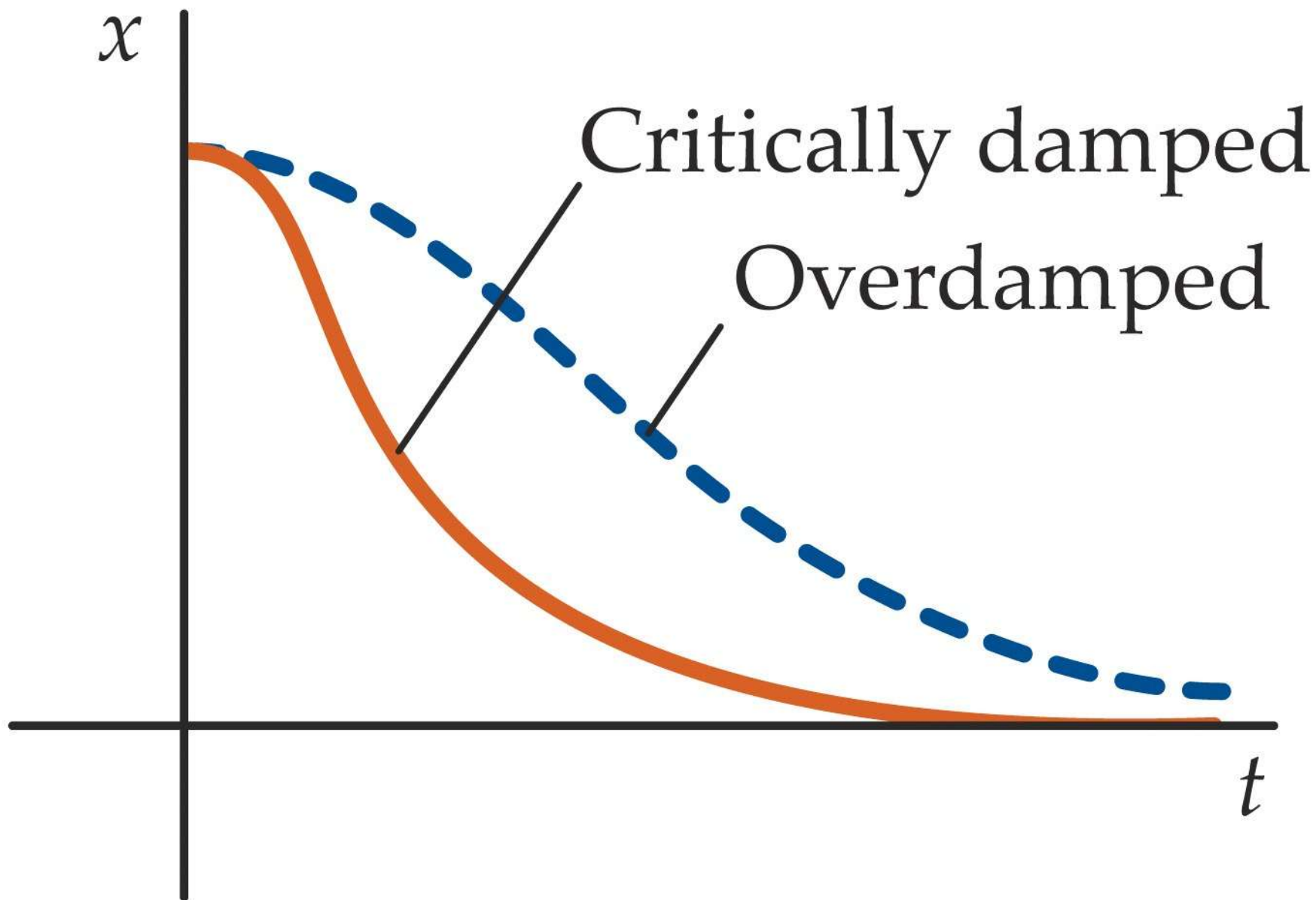
$$\omega = \sqrt{\frac{K}{I}}, \quad K \text{ wire stiffness}$$

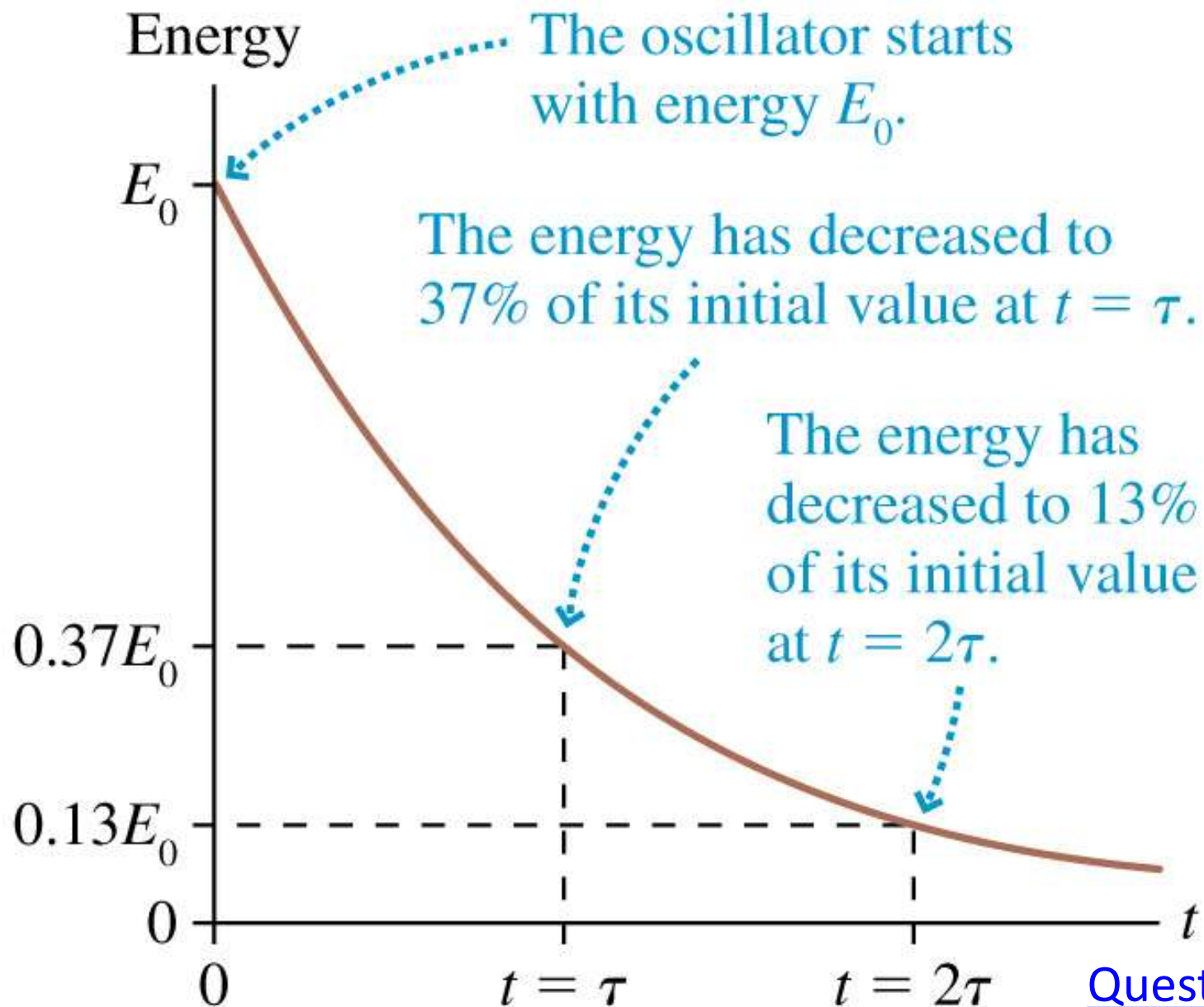






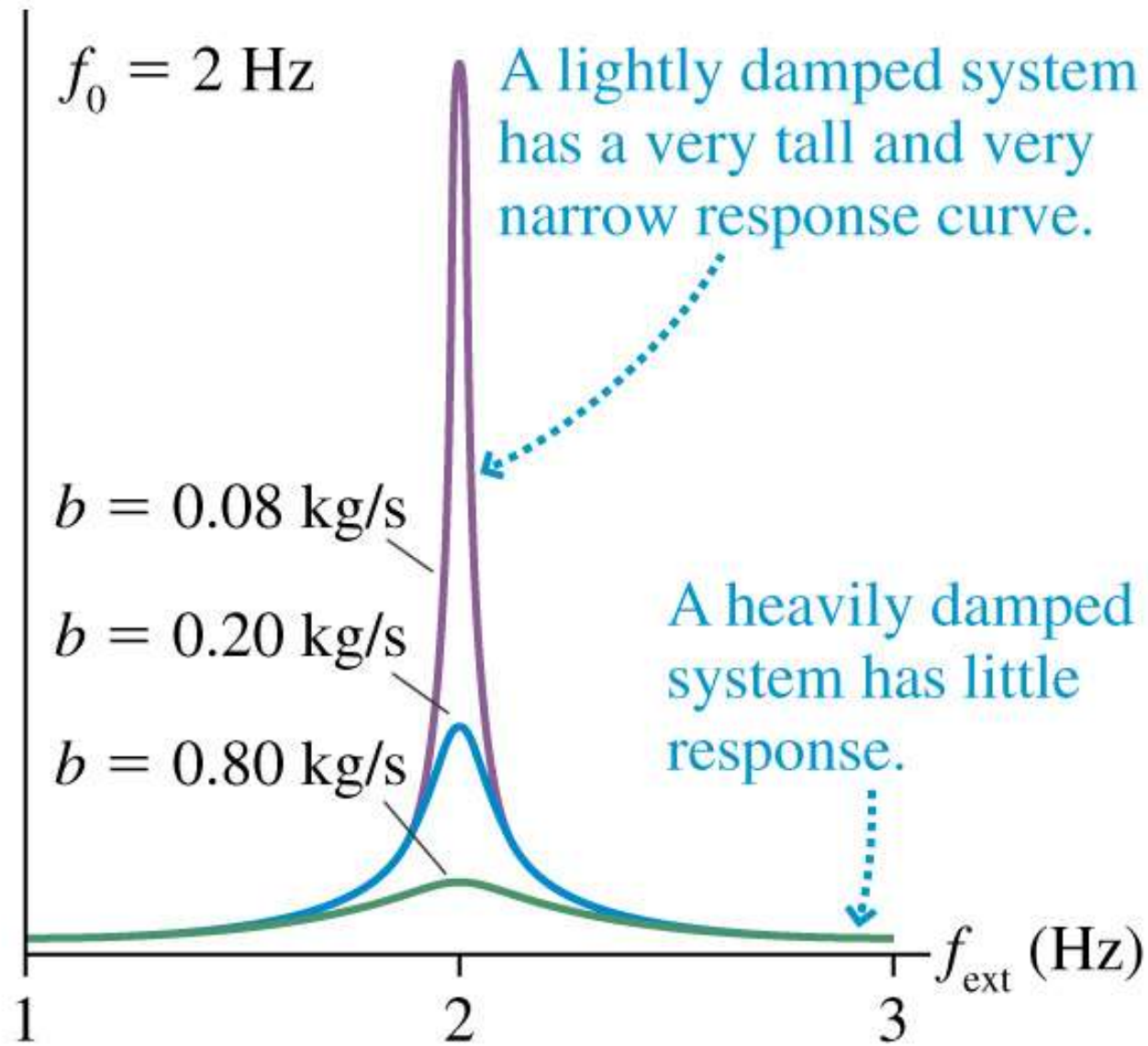
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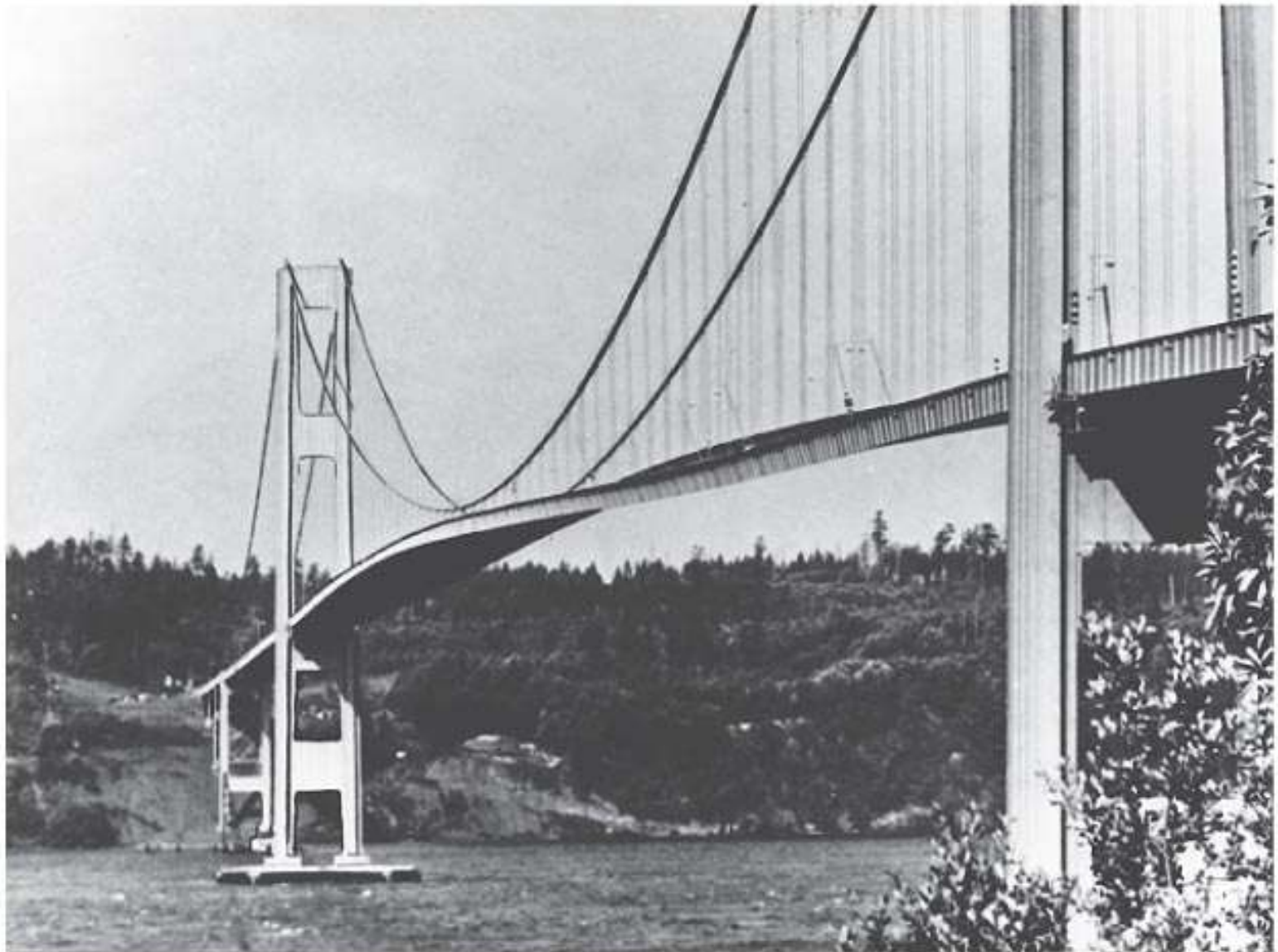




[Questions](#)

Amplitude





(a)

[YouTube Video](#)