

15 In a horizontal spring-mass system, a mass m oscillates with a frequency f and an amplitude x .
The total energy of the oscillating system is E .

What is the total energy of a spring-mass system with a mass $0.50 m$, frequency $3.0 f$ and
amplitude $0.40 x$?

A $0.24E$

B $0.60E$

C $0.72E$

D $1.8E$

16 Ripples on the surface of a pond spread out in circles from the point of an initial disturbance.