

16 A mass attached to a string oscillates as a simple pendulum.

Which row shows the displacement of the mass from its equilibrium position, its kinetic energy, and the restoring force acting on it all at the same instant?

	displacement	kinetic energy	restoring force
A	0	0	maximum
B	0	maximum	0
C	maximum	0	0
D	maximum	maximum	maximum

17 Two sound waves have equal amplitude at point P. One of the waves has frequency 420 Hz and