

16 An external oscillator is attached to the top of a vertical spring mass system.

Which statement about the forced oscillation is always true?

- A** The amplitude of the spring mass system will increase as the frequency of the oscillator increases.
- B** The amplitude of the spring mass system will not be affected by the amplitude of the oscillator.
- C** The spring mass system will always oscillate at its natural frequency.
- D** The spring mass system will always oscillate at the frequency of the oscillator.