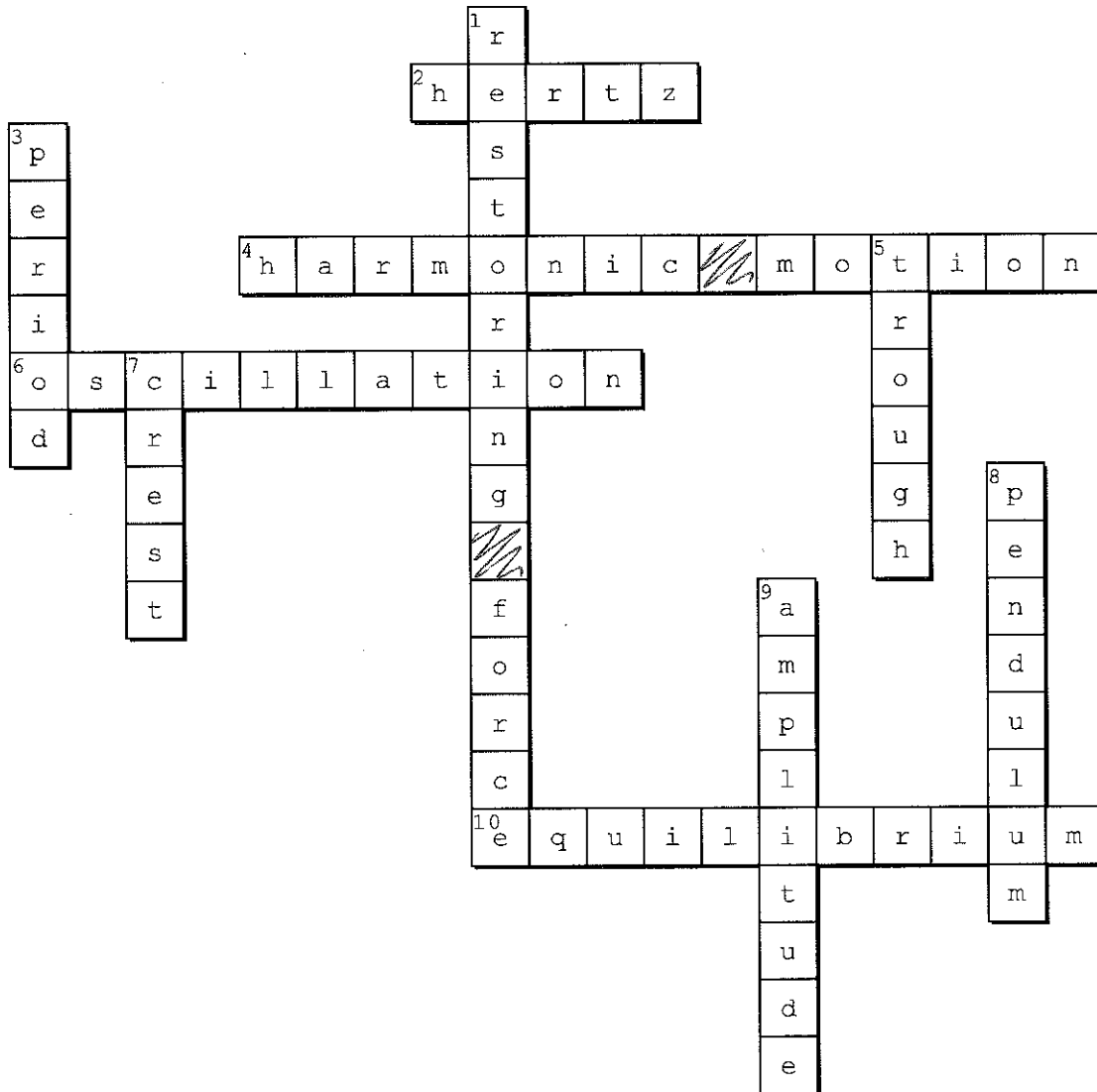


Name: Key

HARMONIC MOTION

Complete the crossword below

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Across

2. unit of frequency, meaning vibration per second (**hertz**)
4. motion that repeats itself, like a pendulum (**harmonic motion**)
6. motion that repeats, synonymous to harmonic motion (**oscillation**)
10. the resting point of a system, when net forces equal zero (**equilibrium**)

Down

1. a force like gravity that restores an oscillation system back to equilibrium (**restoring force**)
3. one back and forth motion of an oscillator, measured in seconds (**period**)
5. lowest point of a wave (**trough**)
7. highest point of a wave (**crest**)
8. a weight hung from a fixed point so it can swing freely back and forth. Like a swing on a playground (**pendulum**)
9. greatest distance from resting point on either side of wave (**amplitude**)