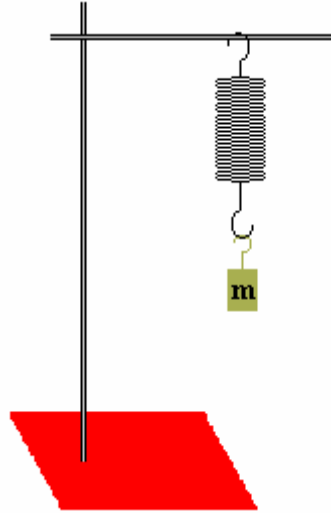


UNIT 14 PRETEST

1) An object of mass m is hung on a spring, as in the picture below. The object is pulled down $0.07m$ and released. The mass oscillates up and down.



- a) If the same experiment were done with a second object of mass $2m$, would it oscillate with the same period (the time it takes for the mass to repeat its motion)? Explain.
- b) What are possible factors that effect the period of oscillation? Explain.