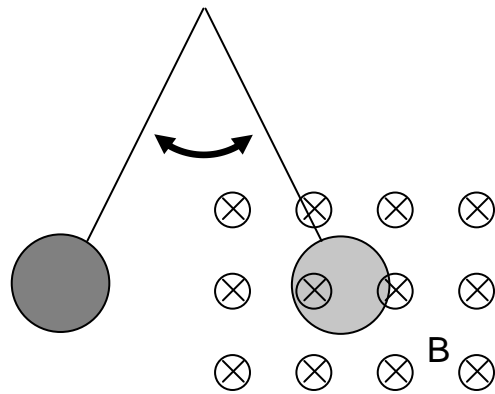


NAME: _____

1. State Faraday's law and Lenz's law.

2. Using Eq. (2) as a guide, state three ways to change the magnetic flux.

3. A copper disk swings like simple pendulum in and out of a magnetic field, as shown in the figure. Make a sketch of the amplitude of the oscillations vs. time; assume there is no air resistance. Explain any changes to the amplitude.



4. A ball and a magnet are released simultaneously from the same height. They both fall vertically but, on its way down, the magnet passes through a coil. Which one reaches the ground first? Explain.

