**Faraday’s Law Lab**

Name

**Go to Chapter 20-21 on the Google site page for IB Physics, and click on the Faraday’s Law Lab link.**

1. Which graph of EMF goes with video A. Why do you think so? (Talk about the speed the magnet moves into and out of the coil, and which pole of the magnet goes in first)

2. Which graph of EMF goes with video B. Why do you think so?

3. Which graph of EMF goes with video C. Why do you think so?

4. Which graph of EMF goes with video D. Why do you think so?

5. When the South Pole of the magnet in the video approaches the coil is the EMF positive or negative?

6. When the South Pole of the magnet in the video recedes from the coil is the EMF positive or negative?

7. When the North Pole of the magnet in the video approaches the coil is the EMF positive or negative?

8. When the North Pole of the magnet in the video recedes from the coil is the EMF positive or negative?

9. When the EMF is positive, is current flowing up or down the front of the coil? (The part closest to the camera)