FOUCAULT'S PENDULUM & CORIOLIS EFFECT*



3. The diagram below represents <u>a globe that is spinning to represent **Earth rotating**</u>. The globe is spinning in the direction indicated by the arrow. Points *A*, *B*, *C*, *D*, *X*, and *Y* are <u>locations on the globe</u>.



- In the Northern Hemisphere, moving objets will be deflected (curve) to their RIGHT
- In the Southern Hemisphere, moving objects will be deflected (curve) to their LEFT

A student attempted to draw a straight line from point X to point Y on the spinning globe. Due to the Coriolis effect, the student's drawn line most likely passed through point

(1) A	(2) <i>B</i>	(3) <i>C</i>	(4) D
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4. The arrows in the diagram below show changes in the **direction of surface winds** at four lettered locations, *A*, *B*, *C*, and *D*, on Earth.



- In the Northern Hemisphere, moving objets will be deflected (curve) to their RIGHT
- In the Southern Hemisphere, moving objects will be deflected (curve) to their LEFT

The arrow at which location correctly shows a **deflection** of the wind that could be due to the **Coriolis effect**?

(1) A	(2) <i>B</i>	(3) <i>C</i>	(4) D