

The Coriolis Effect

If you got on a plane in New York City and wanted to fly to Miami, could you fly in a straight line to get there? Why or why not?

Predict what direction you think the line will turn when paper is rotated clockwise and counterclockwise. Draw your prediction below.

CLOCKWISE

COUNTERCLOCKWISE

In the space below, draw the direction the line turned AFTER completing the rotations.

CLOCKWISE

COUNTERCLOCKWISE

Did your predictions agree with your results?

Which way does the Coriolis Effect cause objects to be deflected in the Northern and Southern hemisphere?

Northern Hemisphere – objects are deflected to the _____.

Southern Hemisphere – objects are deflected to the _____.

How does the spin of the Earth affect the oceans and air masses?