

The Coriolis Effect

Review the article “Does the Rotation of the Earth affect toilets and baseball games?” found at the following web site:

<http://science.howstuffworks.com/rotation-earth-toilet-baseball.htm/printable>.

Read about the Coriolis effect, what it is and how it proves that the Earth is rotating.

1. What is the Coriolis effect?
2. What happens to the speed at which the Earth rotates as you travel from the equator towards the North or South Pole?
3. What direction will objects appear to veer in the northern hemisphere? What about in the southern hemisphere? (left or right)
4. Does the Earth’s rotation really impact a flushing toilet? Explain.
5. What impact does the Coriolis Effect have on winds?
6. What would have happened to the German shells during World War 1 had they not accounted for the Earth’s rotation?