

## Coriolis Effect Practice Worksheet

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1. The Coriolis effect is the apparent deflection of a freely moving object because of Earth's rotation.
  - a. TRUE
  - b. FALSE
  
2. In which direction will an ocean current that is traveling south from the North Pole curve due to Coriolis Effect?
  - a. North
  - b. South
  - c. East
  - d. West
  
3. The Coriolis Effect occurs because Earth is rotating beneath a moving object.
  - a. TRUE
  - b. FALSE
  
4. The strength of the Coriolis effect depends upon the rotation rate of the Sun.
  - a. TRUE
  - b. FALSE
  
5. Freely moving objects appear to move to the right in the Southern Hemisphere.
  - a. TRUE
  - b. FALSE
  
6. An ocean current traveling across the North Pacific Ocean from west to east runs into North America. Which direction does it go from there?
  - a. It turns right
  - b. It turns left
  - c. It goes straight
  - d. It goes back the way it came
  
7. The Coriolis Effect describes how
  - a. Earth's rotation steers the movement of air and water
  - b. Earth's rotation goes in different directions in the northern and southern hemisphere

- c. Earth moves beneath an object, causing it to appear that the motion is curved
- d. All of the above

8. It is incorrect to call Coriolis a force because it is not forcing a motion; it's just an appearance of a change in motion.

- a. TRUE
- b. FALSE

9. The Coriolis effect is caused by \_\_\_\_\_.

- a. Earth's rotation
- b. Earth's revolution
- c. Gravity
- d. Both A and C

10. The Coriolis effect is:

- a. The apparent motion of freely moving objects as Earth rotates beneath them
- b. The force of Earth's rotation pushing on freely moving objects
- c. What happens when freely moving objects, like air and water, meet high and low pressure cells
- d. None of these

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