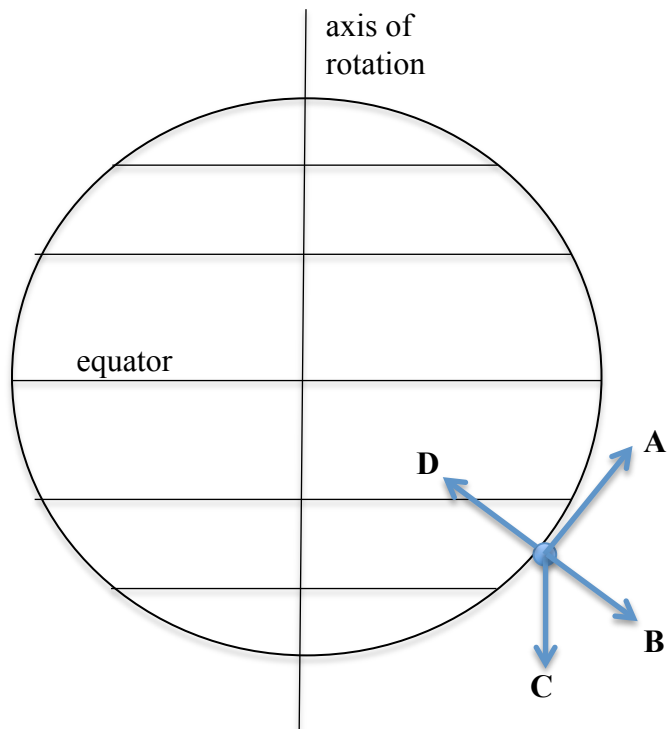


(1) In the diagram of the earth below, suppose that you were standing at the location represented by the small blue circle.

At that location, for you, which one of the four labeled directions would be “down?”



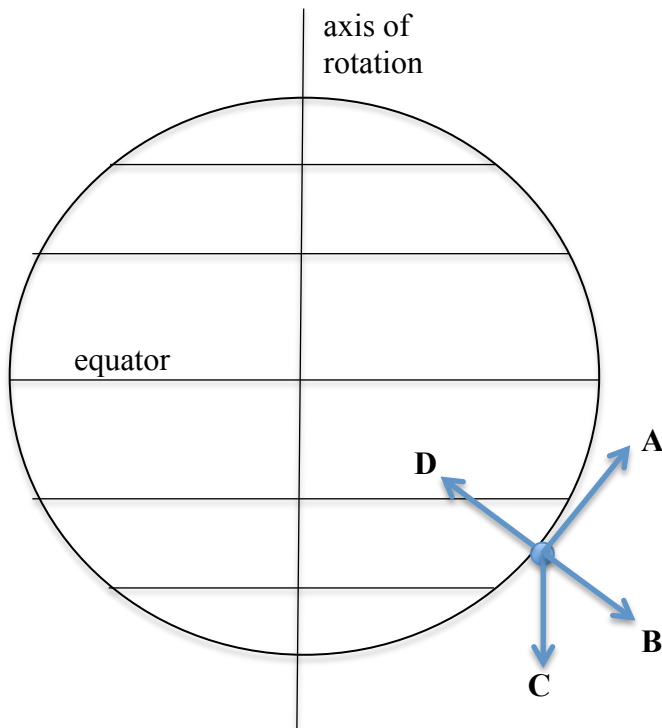
(A) **A**

(B) **B**

(C) **C**

(D) **D**

(2) At the same location, which one of the four labeled directions would be a *horizontal* direction (that is, toward a point on the horizon)?



(A) **A**

(B) **B**

(C) **C**

(D) **D**

(3) When you shine a flashlight on a surface, what happens to the intensity of the light on that surface when you reduce (lower) the angle between the light beam and the surface?

- (A) The intensity increases.
- (B) The intensity decreases.
- (C) The intensity doesn't change.