

40 At which location are the Sun's noontime rays perpendicular to Earth's surface at the Tropic of Cancer (23.5° N)?

(1) A (3) C  
 (2) B (4) D

(Not drawn to scale)

41 What is the approximate rate of Earth's revolution around the Sun?

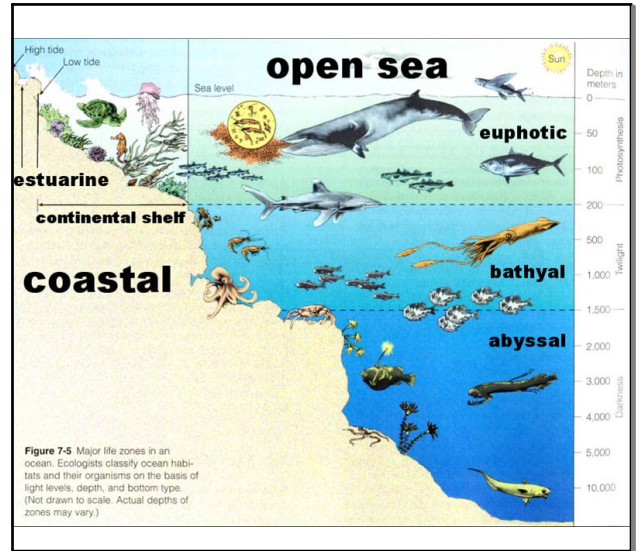
(1) 1° per day (3) 15° per day  
 (2) 1° per year (4) 15° per year

360°  
 365.25 days

42 Which event is caused by Earth's revolution?

(1) the apparent shift in the path of a Foucault pendulum  
 (2) deflection of planetary winds to the right in the Northern Hemisphere  
 (3) the apparent rising and setting of the Sun  
 (4) different constellations observed in the night sky throughout the year

Feb 9-8:17 AM



Feb 9-10:14 AM