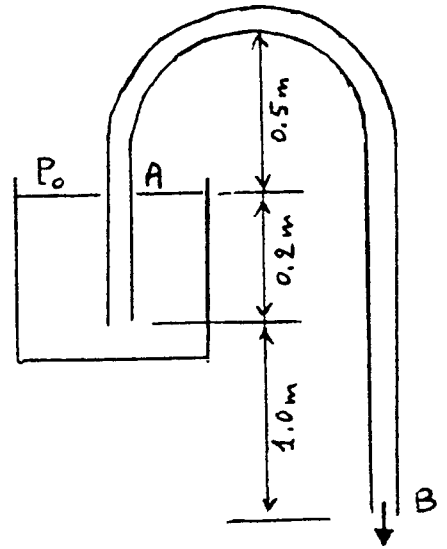A siphon is used to remove water from a container, as shown in the figure. 479. The cross-sectional area of the siphon is 1 cm**2. Assume that the cross-sectional area of the container is much greater than that of the siphon. How much water is removed from the container in 10 s ?

A. 15.12*10**(-3) m**3
B. 0.53*10**(-3) m**3
C. 1.25*10**(-3) m**3
D. 8.23*10**(-3) m**3
E. 4.85*10**(-3) m**3

A tank is filled with water. A hole is punched at a depth of 0.30 m below the surface of the water. The stream strikes the floor at a distance of 0.50 m from bottom of the tank (see figure). Find the depth of water in the tank.

A. 0.031 m
B. 16   m
C. 0.51   m
D. 0.61   m
E. 0.29   m