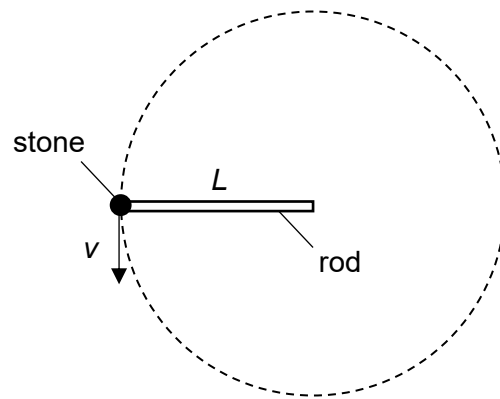


- 10 A stone attached to a rigid rod of length  $L$  undergoes uniform circular motion in a vertical plane as shown below.



Which one of the following statements is **incorrect**?

- A The net work done on the stone by the rod is zero.
- B The contact force on the rod is changing all the time.
- C The angular velocity of the stone does not change.
- D The centripetal acceleration of the stone is given by  $\frac{v^2}{L}$ .