

**5** Which statement is correct?

- A** An object with only a couple acting on it is in translational equilibrium.
- B** An object with only a couple acting on it is in equilibrium.
- C** The direction of the torque of a couple depends on where the pivot is.
- D** A couple is an action-reaction pair of forces.

**6** The variation with displacement  $x$  of the potential energy  $U$  of a body is shown