Unscrew both jars, and fill each with water to within ¼” to within 1/4” of full. Set jars on table, a distance apart equal to the distance between jar lids, turn base of apparatus over, and screw the jars tightly into the lids by turning the jars. Turn the apparatus over so that it sets on its base.

Set the arm into rotation (a speed of about 1 revolution/sec is satisfactory), and note the behavior of the two floats. (A satisfactory speed can be maintained indefinitely by furnishing a small angular impulse every other revolution.) Discuss the behavior in terms of centripetal force and the buoyancy force on the floats.

**Note:** It is advisable to empty the water and allow the jars and gaskets to dry before storing with the empty jars in place.