

DIRECTIONS FOR ASSEMBLY OF CENTRIFUGE

1. Remove outside nuts from each end of axle. Relocate the inside nuts so the shaft is far to one end as possible. Clean and lubricate if necessary.
2. Turn household can opener to approximately 45-degree angle, cut bottom from a gallon can. Make hole in exact center of lid. 5/8" in diameter.
3. Center axle hub over centered hole in lid. Drill holes in three spaced holes of hub through circular metal piece.
4. Use bicycle spokes to attach axle to bottom of tin.
5. To prepare spokes, screw nut down on spoke until 1/4" of spoke is sticking out.
6. Cut spoke just below nut.
7. Prepare 3 nuts in this manner.
8. Place spoke segment with nut attached from bottom of lid. Secure with second nut.
9. Drill hole in center of 3" piece of 2X4. Axle is not long enough to re-attach lock nut. On bottom of block, you must counter sink a hole large enough to accommodate the attachment of the washer (#12 item of supplies) and lock nut from axle assembly.
10. This assembly must be attached with wood screws to the center of the 2' square wooden base. This is done from the bottom of the base by drilling pilot holes for the screws up through wooden base into the piece of 2x4. Four screws are desirable.
11. Attach 6-foot piece of finely braided cord to one end of 6-foot piece of PVC pipe 3/4" in diameter. To do so, make a longitudinal split 1/2" deep in end of pipe. Tie knot in string. Put into slit with knot inside pipe.
12. On other end, tie loop big enough for your forefinger.
13. Wrap string around shaft of assembly. Works slightly better if the string loop on shaft closest to the operator is on the bottom while centrifuge is in operation.
14. Grasp stick with finger in loop. The power stroke is the forward stroke. As you pull the stick back, release the pressure of your finger on the cord. Pull down again as you push the stick.