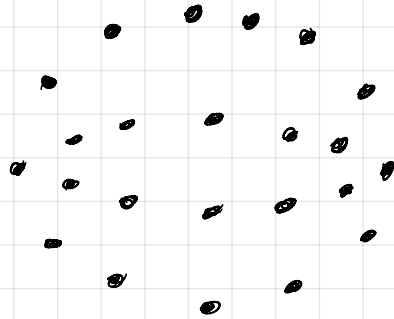


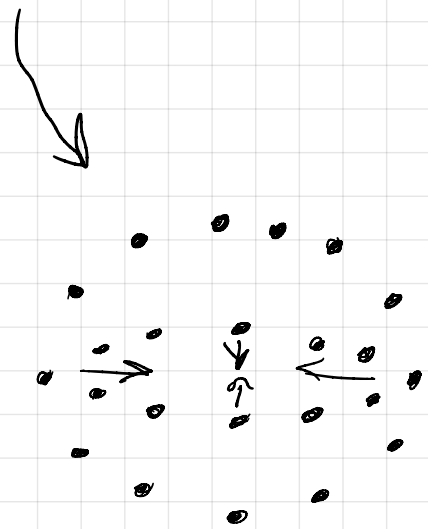
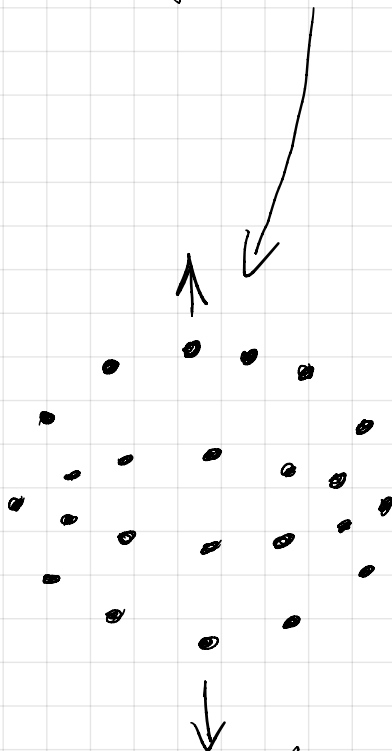
Falling Spherical Shell Discussion

(What the authors wanted you to see by doing problems 2-6 and 2-8.)

If we start out with a spherical shell of ball bearings, 20m in diameter



Then in the time that the ball bearings fall 315m, the top and bottom of the spherical shell elongates vertically by 2mm and simultaneously the waist shrinks by 1mm in each horizontal axis



The spherical shell is becoming an ovoid.