

Question #75733, Physics / Other

A fish weighs 10 N at rest, When it is weighed on a spring scale in an elevator accelerating upwards at 22.2m/s^2 the scale reads?

Solution

The fish weight at rest = $mg = 10\text{ N}$

The fish weight in the elevator is $m(g + a) = \frac{10}{9.8}(9.8 + 22.2) = 32.7\text{ N}$

Answer: 32.7 N

Answer provided by <https://www.AssignmentExpert.com>