

Elevator Quiz

Name _____

a 42 kg person stands on a scale in an elevator

a) what is the person's weight when the elevator is stationary at the ground level?

b) If the elevator accelerates upwards at 5.2 m/s^2 what is the person's apparent weight (F_N)?

c) If the elevator accelerates downwards at 4.8 m/s^2 , what is the person's apparent weight?