

# ACTs



You drop an egg onto 1) the floor 2) a thick piece of foam rubber. In both cases, the egg does not bounce (demo).

In which case is the impulse greater?

$$I = \Delta P$$

A) Floor

B) Foam

C) the same

Same change in momentum

In which case is the average force greater

A) Floor

B) Foam

C) the same

$$\Delta p = F \Delta t$$

$$F = \Delta p / \Delta t$$

Smaller  $\Delta t =$  large  $F$

