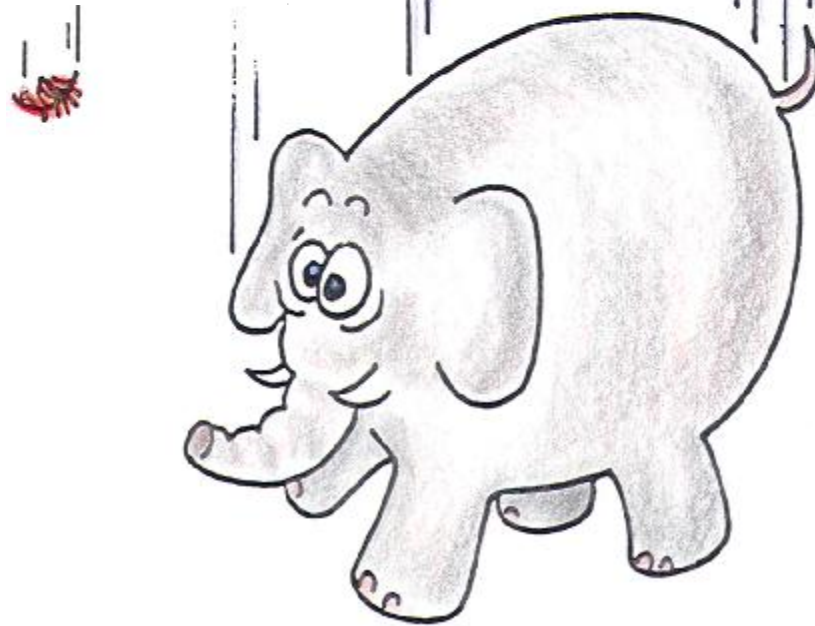


# NEXT-TIME QUESTION

CONCEPTUAL Physics

Which encounters the greater force of air resistance-- a falling elephant or a falling feather?

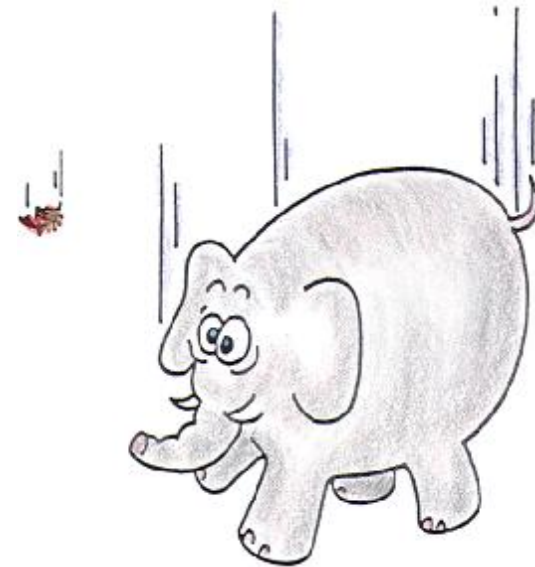


ARBOR SCIENTIFIC  
TOOLS THAT TEACH.

Hewitt  
Drewitt!

# NEXT-TIME QUESTION

Which encounter the greater force of air resistance-- a falling elephant or a falling feather?



Answer:

There is a greater force of air resistance on the falling elephant, which "plows through" more air than the feather in getting to the ground. The elephant encounters several newtons of air resistance, which compared to its huge weight has practically no effect on its rate of fall. Only a small fraction of a newton acts on the feather, but the effect is significant because the feather weighs only a fraction of a newton. Remember to distinguish between a force itself and the effect it produces!

