



SIZE MATTERS!

No animal could be 3 times its normal height and stay the same shape, simply scaled up.

If height increases 3 times, strength of bones increases 3x3 = 9 times. But weight increases 3x3x3 = 27 times. Its weight would crush its bones!

That is why an elephant does not look like a large gazelle.

Bone of small animal

Bone of animal 3 times longer

From Galileo's last book, *Discourses On Two New Sciences* (1638).

King Kong