

What can affect hormone release?

Many factors can affect hormone release.

- **The release of plant hormones can be stimulated by light or temperature.**
- **The release of human hormones for growth can be stimulated by cell damage.**
- **other factors include: Stress, high blood pressure, and sunlight, to name just a few.**

Plant Growth Hormones

Plants produce a variety of growth hormones. Two examples are:



Auxin- are plant hormones that cause plant cells to elongate (grow taller)

Cytokinins- are plant hormones that promote the growth of buds on the side of a branches on trees, causing the tree to grow wider.

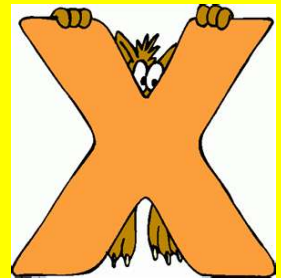


<http://www.botanical-online.com/animation8.htm>



Animal/Human Growth Hormones

Growth hormones trigger cell division and increase the production of new proteins. New cells require proteins for a new cell membrane and the organelles found within the cytoplasm.



Too Much Growth Hormones?????

High secretions of the growth hormone during childhood can result in gigantism.





One of the most famous giants was a man named Robert Wadlow Robert reached an adult weight of 490 pounds and 8 feet 11 inches in height, He died at age 22

Tallest man

<https://www.youtube.com/watch?>
26 min

World's shortest man

<https://www.youtube.com/watch?v=gjG6qlfoMeI>

Today's world tallest man

Big meets small

London received a striking visitor today as the worlds newly-crowned tallest man, Turkish Sultan Kösen (26) who measures a staggering 8 ft 1 in (246.5 cm), toured the city in celebration of the launch of Guinness World Records 2010 edition

http://www.youtube.com/watch?v=zL_nklbytBY





<http://www.youtube.com/watch?v=CEZSJ6CsuBw&feature=related>

<https://www.dailymotion.com/video/xs3wg6> 43 min