

Why an organism fail to grow?

What concerning bacterial organism – in order to grow in nature or in the laboratory, a bacterium must have an energy source, a source of carbon and other required nutrients, and a permissive range of physical conditions such as O₂ concentration, temperature, and pH – otherwise bacteria fail to grow

Complex multicellular organisms such as a human being suffer from malnutrition too. The secretion of growth hormone is stimulated by the absorption of particular amino acids following a meal. But more severe cases of growth retardation is resulted in dwarfism which can be caused by about 200 distinct medical conditions. Achondroplasia is a heritable or acquired genetic disorder responsible for 70% of dwarfism cases. Achondroplasia cause an abnormality of cartilage formation which leads to severely shortened bones. Another cause of growth failure in children is deficiency in growth hormone or defects in its binding to receptor (pituitary dwarfism). Growth retardation is manifestations of low function of the thyroid gland too.