THE OCCURENCE OF OVERLOADS AND THEIR EFFECT ON HUMAN'S BODY

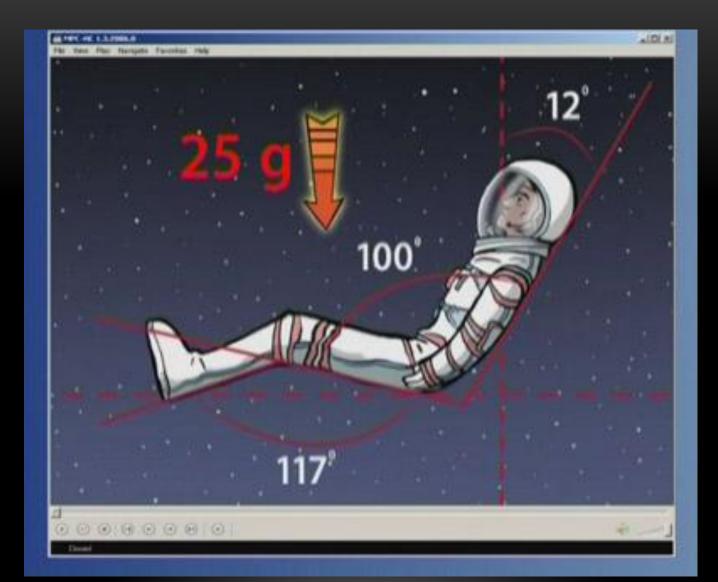
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THE CONCEPT OF OVERLOAD

According to Newton's second law:

It the support moves upward with acceleration, body's weight grows - it is *overload*





OVERLOADS IN SPACE AND THEIR INFLUENCE ON HUMAN'S BODY

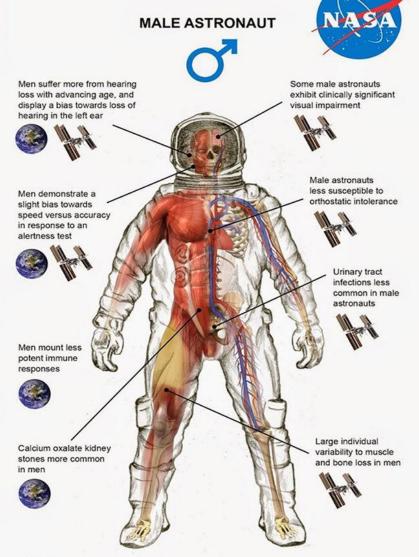
- During this time in the body appears:
 - 1) the load on the sceleton and bones
 - 2) lack of strength to pump blood, its removal to lowerlimbs
 - 3) also organs try to stay in their previous condition (uniform motion or quiscence)
 - 4) pressure on body, breastbone, face appears





GETTING INTO SPACE (100KM FROM THE EARTH)

- Removement of overloads because of minimal gravity
 - The Moon (1\5 g of Earth)
 - 1) the spine becomes longer on 5-8 cm
 - 2) organs do not go down, but swim
 - 3) body's liquids go from legs to upper parts in causes swellings of face, brain etc.
 - 4) increased blood flow expands heart





BEING INTO SPACE

- 1) the violation of main love processes (eating)
 - 2) "space" illness:
 - Different information about coordination when turning the head
 - 3) because of accumulation of luquid, the body needs frequent deliverance from it



THE END