Malnutrition: - cen be under-nutrition eq. due to drought / war / overpopulation

- can be over-nutrition

. reade to obesity which impairs health

Diet

- . the excess energy is deposited in adipose tissues as fait
- · Definition: when the Body Mass Index (BMI) is above 30, which inducates a weight of 20% or more above the recommended weight for height. NB: BMI doesn't take into account gender, age & muscle mass

Diet:

. if more energy is consumed than expended, excess is stored in adapose tissue

Excess fat stores leads to:

- high cholesterof from Notesale.co.uk cancerse view from 13 arthur

- gallstones

· Lifestyle:

- lack of excercise leads to less energy expended than stored = obesity

Carcinogen

- O courses mutations in epithelial cells
- @ Genes in DIVA are altered ; protancegenes are genes controlling cell division, so if these are altered/mutated; they form oncogener
- 3 causes uncontrolled cell division
- @ leads to a cancer forming & a tumor
- = tumor may block air passages
- 5 cells may break away from original tumor and lead to secondary tymors elsewhere in the body = Metastasis

symptoms:

- · ony cough (tumor initiates lungs, but no flem)
 - · coughing up blood

 - · Shortagerfelview from Notesale.co.uk
 - · swollen lymph glands
 - . weight loss

Lung cancer:

OTAr contains carcinggens

Org. benzopyrene

3 enter lungs/epithelial tissues/cells

() cilia destroyed: carit remove courcingen

O enters nucleus & in contact with DNA

Causes mutations

- € protooncogene -> oncogene
- @ Uncontrolled mutosis
- 1) forms a tymor
- 10 NO apoptosis