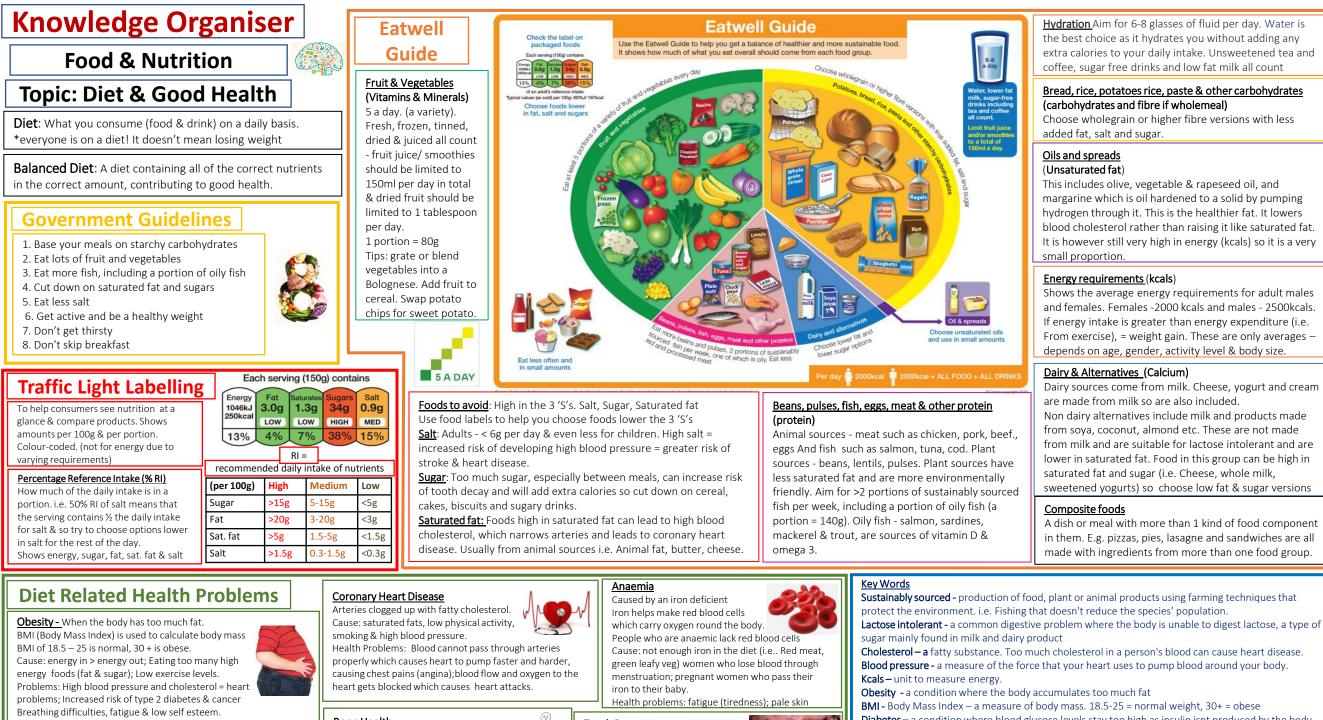


Knowledge Organiser

Food & Nutrition

Topic: Diet & Good Health





Diabetes - Blood glucose levels cant be controlled. Insulin helps glucose be absorbed by the body. The body produces more insulin when blood glucose levels are too high in the blood. Type 2 Diabetes – the body cant produce insulin so blood sugar levels get too high.

Less processed meat(i.e.ham, bacon, sausage)

Be cautious of naturally salty foods - cheese, olives,

Less ready-made foods (pasta sauces in jars,

Use other seasoning such as herbs and spices

Reduce salt

sov sauce

ketchup) – make vour own

alternative (i.e. Tuna)

Use low salt stock cubes

Foods can be preserved in brine

(salted water). Choose non brine

Modifying meals, recipes & diets

SALT

Bone Health

unsaturated oils

with houmous.

as fruit loaf or rice cakes

Rickets (soft and weak bones in children) Cause: lack of vitamin D or calcium. Leads to bone pain, deformed growth (i.e. Bowed legs) and increased risk of fractures. Osteoporosis (bone disease, brittle bones in elderly)

Reduce sugar

Often listed as sucrose, glucose etc. Look out for 'ose' ending. Use less sugary sauces (ketchup, beans, BBQ) Swap fizzy drinks for dilute juice/water & lemon Avoid sugary breakfast cereals. Reduce sugar in hot drinks & baking.

C 11 juices rather than in syrup

Swap white starchy foods such as pasta, rice, bread, flour) for wholemea Use more lentils, beans in meals Keep skin on potatoes Add more fruit and vegetables to the diet. Keep frozen vegetables in the freezer so they are always available Choose high fibre



What might be asked in an exam?

Grade 1-3 - categorise foods into the EWG, explain traffic light labelling Grade 4-6 – explain the importance of the guidelines & the health implications. Grade 7+ - analyse or evaluate a recipe, menu or diet with regards to government guidelines.

Useful sites. Type these links into your browser or scan the QR codes:

EWG videos: tinyurl.com/kebn67u Nutrition: tinyurl.com/ydastevq Health problems: tinyurl.com/yan6wlz9



Reduce saturated fat Swap butter for low fat spreads made from Eat lean cuts of meat or trim off the visible fat Grill, bake, steam instead of frying Allow fat to drain away when cooking Swap high fat snacks like muffins, pastries for lower fat alternatives such

Sweeten plain yogurt with fruit

Increase fibre

cereals

Tooth Decay Plaque is a substance which contains

bacteria. This builds up from food in the mouth. Bacteria feed on sugars and form acids which eat away at tooth enamel and cause tooth decay (caries/cavities) Cause: high sugar foods.

Insulin - produced in body to control blood sugar levels

Coronary heart disease - caused by a build up of cholesterol in the arteries, restricting blood flow

Anaemia - condition where there are a lack of red blood cells

Plaque – a substance on teeth which reacts with sugar and causes tooth decay.

Diabetes – a condition where blood glucose levels stay too high as insulin isnt produced by the body

Osteoporosis - a bone disease where bones weaken and become brittle Rickets - a condition in children where bones are soft, weak and deformed.



Exam

preparation

Swap sugar for natural sweetener (not artificial) Choose tinned fruit in natural