Vitamins

Vitamin A (retinol) properties		
Good for	Eyesight, growth, appetite and taste.	
Signs of deficiency	Night-blindness	
RDA	800 micrograms	
Good sources	Liver, cod liver oil, carrots, green leafy vegetables, egg yolks, enriched margarine, milk products and yellow fruits.	
Poisoning	This vitamin is fat-soluble and so is stored in the body for a long time, especially in pregnancy. An overdose may be dangerous.	
Vitamin B1 (thiamine) properties		
Good for	Nervous system, digestion, muscles, heart, alcohol-damaged nerve tissues.	
Signs of	Tingling in fingers and toes, confusion, difficulties in maintaining balance, loss	
deficiency	of appetite, exhaustion and weakened powers of concentration.	
RDA	1.4mg	
Good sources	Liver, yeast, egg yolk, cereal, red meat, nuts and wheat germ.	
	No danger. It dissolves in water, so any excess is passed in urine.	

Vitamin B2 (riboflavin) properties

Good for	Growth, skin, nails, hair, sensitive lips and tongue, eyesight, the breakdown of protein, fat and <u>carbohydrates</u> .
Signs of	Itchy irritated eyes, itchy mucous membranes (nose, mouth, throat) and
deficiency	cracked corners of lips.
RDA	1.6mg
Good sources	Milk, liver, yeast, cheese, green leafy vegetables, fish.
Poisoning	No danger. It dissolves in water, so any excess is passed in urine.

Vitamin B6 (pyridoxine) properties

Good for	Preventing skin conditions, nerve problems, helps the body absorb protein and carbohydrate.
Signs of deficiency	Skin inflammation.
RDA	2mg
Good sources	Fish, bananas, chicken, pork, whole grains and dried beans.
Poisoning	May cause nerve problems in large doses. Evidence is conflicting about the maximum safe dose, so get medical advice before exceeding the RDA.

Good for Signs of deficiency RDA Good sources Poisoning	Vitamin B12 (cobalamin) properties Making red blood and the formation of the nerves. Tiredness and <u>fatigue</u> , tingling and numbness in hands/feet, memory problem <u>s</u> 1 microgram Eggs, shellfish, poultry, meat, liver, milk, cheese and fortified cereal. No danger. It dissolves in water, so any excess is passed in urine.
	Vitamin C (ascorbic acid) properties
Good for	Immune defense system, protection from viruses and bacteria, healing wounds, reducing cholesterol, cell lifespan
Signs of deficiency	Tiredness, bleeding gums and slow-healing wounds.
RDA	60mg
Good sources	Citrus fruits, kiwi fruit, berries, tomatoes, cauliflower, potatoes, green leafy vegetables and peppers.
Poisoning	Large doses can cause diarrhea and nausea, eg 2g/day . Some scientists have argued that 1000-5000mg per day may damage your DNA.
	Vitamin D properties
	Strong bones and teeth.
Signs of deficiency	Unhealthy teeth, weakening of bones.
RDA	5 micrograms
	Sunlight (the action of sunlight on the skin allows our bodies to manufacture vitamin D), and liver oil, sardings, herring, salmon, tune, milk and milk products.
Poisoning	<u>vitamin D</u>), cod liver oil, sardines, herring, salmon, tuna, milk and milk products. This vitamin is fat-soluble so can accumulate in the body. Overdoses are dangerous, but there is wide variability in the toxic level, eg 400IU for children.
	Vitamin E (tocopherol) properties
Good for	Fighting toxins – vitamin E is a powerful antioxidant.
Signs of deficiency	Weak muscles and fertility problems.
RDA	10mg
Good sources	Nuts, soya beans, vegetable oil, broccoli, sprouts, spinach, whole meal products and eggs.
Poisoning	Increase risk of bleeding, more than 400IU/day can increase risk of <u>heart failure</u> and death in long term illness.
	Folic Acid properties
Good for	Production of red blood cells.
Signs of deficiency	Tiredness and red tongue.
RDA	200 micrograms.

Good sources	Carrots, yeast, liver, egg, yolks, melon, apricots, pumpkin, avocado, beans, rye and whole wheat and green leafy vegetables.
Poisoning	No danger. It dissolves in water, so any excess is passed in urine.

Minerals

_

	Calcium		
Sigr		Strong bones and teeth, nerve function, muscle contraction, blood clotting.	
	Signs of deficiency	Poor teeth and brittle bones.	
	•	800mg	
S	Good J	Milk, cheese, butter, yoghurt and green leafy vegetables.	
	Poisoning	High doses can lead to <u>headaches</u> , stomach pain, <u>high blood pressure</u> and <u>diarrhea</u> . Excess calcium can be deposited as kidney and gall bladder stones. It has been linked to an increased risk for heart attack in recent research.	
		Iron	
	Good for	Red blood cells and muscle function, white blood cells and the immune system.	
	Signs of	Tiredness, irritability, difficulties concentrating.	
	deficiency RDA	14mg	
Go	Good source	Lean red meat, oily fish, egg yolks, green leafy vegetables, nuts, whole grains and whole wheat.	
	Poisoning	Iron is stored in the body and high doses (over 17mg) can lead to constipation, vomiting, nausea and diarrhea. Very high doses can be fatal.	
		Magnesium	
	Good for	Converting energy from food, cell repair, building strong bones, teeth and muscles and regulating body temperature.	
	Signs of	Muscle spasms, and has been associated with heart disease, diabetes, high blood	
	deficiency RDA	pressure and weak bones. 300mg	
	Good sources	•	
	Poisoning	High doses can cause diarrhea.	
Zinc			
	Good for	Immune system, the breakdown of protein, fat and carbohydrate.	
	Signs of deficiency	Lesions on skin, eyes and in throat, loss of taste and smell, hair loss, diarrhea, slow healing of wounds and growth problems in children.	
	RDA	15mg	
	Good sources		
	Poisoning	High doses can lead to stomach cramps, nausea and vomiting, 100mg a day is the current advised maximum daily limit	