

Nutrients Table

ANTIOXIDANTS	OMEGA 3			VITAMIN A		VITAMIN B1		VIT B12 Cynocobalimin		VITAMIN D		CALCIUM		MANGANESE		IRON																																																																																													
Protect cells. Reduce risk of disease. Support cellular health. Their synergistic relationship is why it is so important to focus on an intake of an array of nutrients rather than single nutrient intake.	Reduces inflammation Prevents excessive blood clotting Maintains fluidity of cell membranes.			Vision / Immune system. Vitamin A rich foods contain other nutrients that work in synergy with Vitamin A.		Conversion of glucose into energy. Plays a role in nerve function.		Metabolism and maintenance of a healthy nervous system, especially nerve coverings. Supports cellular metabolism. Supports production of red blood cells and helps metabolise protein, fat and carbohydrate.		Important for proper functioning of the body. Synthesised in the skin from exposure to sunlight. Bone health - key role in helping absorb calcium and phosphorous. Important for immune system , muscle function, cardiovascular function and brain development. Best source of Vitamin D is sunlight.		Essential for all living organisms. Critical for strong bones and teeth. Essential for muscle contraction and nerve conduction. Maintains a regular heartbeat, lowers cholesterol and helps prevent cardiovascular disease.		Plays a key role in bone production, production, skin integrity, blood sugar regulation and protection against free radical damage.		Found in every cell in the body. Essential ingredient in the heme molecule that carries oxygen in the two oxygen - carrying proteins: haemoglobin in red blood cells and myoglobin in muscles.																																																																																													
	Broccoli / Leeks	G		Apricots/ Peaches	E	Broccoli / Brussels	VG																																																																																																						
	Brussel sprouts	G		Asparagus	E	Cabbage / Celery	G																																																																																																						
	Cabbage/Cauliflower	VG		Capsicum / Chilli peppers	E	Eggplant	VG																																																																																																						
	Flaxseeds	E		Basil/ Broccoli/ Brussels	E	Green peas	VG																																																																																																						
Apples (flavonoids)	Grapes	G		Cantaloupe Melon	E	Mushrooms brown	VG	Eggs	G			Basil /Broccoli / Brussels	G	Grapes / Greens	E	Basil	VG																																																																																												
Apricots (flavonoids)	Kale	E		Carrot	E	Oranges / Pineapple	G	Goats Milk	VG	Eggs	G	Cabbage / Celery	GV	Lettuce / Mushrooms	VG	Black Beans	G																																																																																												
Artichokes cooked	Lettuce/Greens/Beans	G		Cayenne Pepper	E	Pumpkin / Squash	G	Milk	G	Milk /Goats Milk	VG	Carrots	GV	Oats / Rye / Quinoa	E	Broccoli / Brussels	G																																																																																												
Asparagus + %	Pumpkin/Squash	G		Celery / Cucumber	G	Spinach /Lettuce / Kale	VG	Mushrooms brown	G	Hemp seeds	G	Cheese	G	Pineapple/ Pumpkin	E	Cabbage / Cauli	G																																																																																												
Blackberries	Salmon (not farmed)	VG		Coconut Milk	E	Sunflower seeds	VG	Salmon	VG	Mushrooms Shitake	G	Cherries	G	Spinach / Kale / Garlic	E	Chick Peas	G																																																																																												
Blueberries (flavonoids)	Sardines / Scallops	G		Milk/ Eggs/ Yoghurt	VG	Tomatoes / Tuna	VG	Sardines	E	Prawns /Salmon	VG	Cinnamon	VG	Strawberries / Raspberries	E	Cumin	E																																																																																												
Broccoli cooked	Shrimps	G		Grapefruit	VG	Watermelon	G	Scallops / Prawns	VG	Sardines / Tuna / Fish	VG	Coconut milk	VG	Turmeric / Walnuts Tofu /	E	Fennel	G																																																																																												
Brussel sprouts	Silverbeet	E		Green leafy vegetables	E	VITAMIN B2 Riboflavin		Yoghurt	G	VITAMIN E		Goats milk	VG	Whole wheat	VG	Green Beans	VG																																																																																												
Cabbage green + %	Spinach	G		Green Beans / Peas	VG	Primarily involved in energy production, vision and skin health		Chicken	E	Antioxidant - protecting cells, tissues and organs from free radicals, it also helps keep immune system healthy, helps in formation of red blood cells and helps body use Vit K. Also known for helping widen blood vessels - preventing blood clotting.		Grapes	G	Zucchini / Squash	E	Kidney Beans	G																																																																																												
Cabbage red + %	Soybeans / Tofu	G		Hemp Seeds	VG			VITAMIN C				Hemp Seeds	VG	POTASSIUM		Leeks	G																																																																																												
Capsicums + % (flavonoids)	Strawberries	G		Lettuce	VG	Asparagus /Hemp seeds		VG	Necessary for normal growth, development and repair of tissues throughout the body. Used to form the proteins in tendons, ligaments and blood vessels and the formation of red blood cells. Helps to heal wounds, form scar tissue, repair bone, cartilage and teeth. Antioxidant protection. Lowers cancer risk. Improves iron absorption. Regenerate Vit E supplies.				Kale/ Leeks	VG	Helps build protein and muscle, maintain normal growth, control the electrical activity of the heart, maintain acid balance of the body. Important for nervous system function, kidney health, and for blood pressure. It is well known for preventing muscle cramp.		Lentils	G																																																																																											
Carrots + %	Tuna / Cod	G		Mushrooms brown	E	Broccoli / Cauliflower	VG	Lettuce					G	Lima Beans			G																																																																																												
Cauliflower	Walnuts	E		Mango / Papaya	VG	Cucumber / Eggplant	G	Lychees					G	Navy Beans			G																																																																																												
Cherries	ESSENTIAL AMINO ACIDS			Parsley	E	Fennel / Garlic Plums /	VG	Passionfruit					G	Olives			G																																																																																												
Cloves	Play a role in gene expression Building blocks of protein			Passionfruit	G	Strawberries	G	Sardines					G	Oregano			VG																																																																																												
Cranberries				Peppermint	G	Spinach	E							Romaine lettuce			VG																																																																																												
Cranberry juice	Beans /Oats / Rye /Brown rice	TR		Pineapple / Plums	G	VITAMIN B3 Niacin							Sesame seeds	G			Rosemary	G																																																																																											
Ginger	Chicken (organic)	all		Pumpkin / Squash	E	Conversion of carbohydrates and fat into energy, maintenance of healthy skin, nervous system and digestive function.							Spinach / Greens	E			Sesame Seeds	G																																																																																											
Grape juice	Dairy / Eggs / Fish	all		Sweet Potatoes	E								Tofu	G	Soy Beans	G																																																																																													
Green tea	Grains	methionine		Tomatoes	G	Asparagus / Salmon	VG	COPPER					A critical component in the formation of red blood cellls. Helps keep blood vessels, nerves, immune system and bones healthy. Aids in the formation of elastin, promotes healthy connective tissue in hair, skin, nails, tendons, ligaments and blood vessels.		Spinach /Chard	E																																																																																													
Green beans / peas	Hemp seeds	all		Turnip Greens	VG	Broccoli / Cauliflower	G								Thyme	E																																																																																													
Kiwi fruit	Legumes	lysine		Watermelon	VG	Carrots / Green peas	G								Tofu	VG																																																																																													
Lychees	Quinoa	all		Zucchini	VG	Cod / Sardines / Shrimp	G								Tomatoes	G																																																																																													
Mango	Soybeans	all		PRE BIOTICS			G								Turmeric	E																																																																																													
Mushrooms	Whole grains (combined)	all		Leeks		Kale / Spinach	G								PROTEIN																																																																																														
Orange juice	Combining grains and legumes in a diet that functions as a whole, provides all amino acids. Onions (flavonoids) Eating a wide variety of protein containing foods is essential to meet this need.			Garlic		Eggplant / Zucchini	G										SELENIUM		Primary building blocks of the structures of the cells and tissues of the body and involved in virtually all cell functions. Source of nitrogen and amino acids, needed for growth of cells. The body has no storage buffer of protein reserves, unlike fats and carbohydrates. Provides energy and maintains body structure.																																																																																										
Oranges				Onions (flavonoids)		Raspberries	G														VITAMIN B5 Pantothenic acid																																																																																								
Passionfruit				Asparagus		Helps metabolise carbohydrates, proteins and fats, as well as produce red blood cells and steroid hormones.																																																																																																							
Pineapple and Pineapple juice				Green fibrous vegetables																			Pre and Probiotics are essential for creating a healthy gut microbiome, which in turn, is essential for a healthy immune system. The gut microbiome impacts brain and mood. Important to find these in natural food sources.																																																																																						
Pinto beans dried	LIPOIC ACID			Maintains antioxidant defence. Helps regulate blood sugar.																																																																																																									
Plums (flavonoids)																																																																																																													
Pomegranate																																																																																																													
Potatoes and Sweet potatoes + %	Broccoli, Greens, Spinach	G																																																				Mushrooms	E	IODINE		Plays a critical role in reproduction, thyroid hormone metabolism, DNA synthesis and protection from oxidative damage of cell membranes, tissue and skin. Important for immune function.																																																			
Prunes	Calves liver / Beef	G				Cauliflower	VG								SELENIUM								Primary building blocks of the structures of the cells and tissues of the body and involved in virtually all cell functions. Source of nitrogen and amino acids, needed for growth of cells. The body has no storage buffer of protein reserves, unlike fats and carbohydrates. Provides energy and maintains body structure.																																																																																						
Quinoa	GLUTAMINE			PRO BIOTICS									SELENIUM				Primary building blocks of the structures of the cells and tissues of the body and involved in virtually all cell functions. Source of nitrogen and amino acids, needed for growth of cells. The body has no storage buffer of protein reserves, unlike fats and carbohydrates. Provides energy and maintains body structure.																																																																																												
Raspberries (flavonoids)	Maintains health of intestinal tract.			Yoghurt		Mushrooms	E																		IODINE		Plays a critical role in reproduction, thyroid hormone metabolism, DNA synthesis and protection from oxidative damage of cell membranes, tissue and skin. Important for immune function.																																																																																		
Strawberries (flavonoids)				Kefir		Cauliflower	VG																						SELENIUM		Primary building blocks of the structures of the cells and tissues of the body and involved in virtually all cell functions. Source of nitrogen and amino acids, needed for growth of cells. The body has no storage buffer of protein reserves, unlike fats and carbohydrates. Provides energy and maintains body structure.																																																																														
Tea	Beans / Beets / Cabbage	G		Miso Soup		Broccoli / Corn / Greens	G																										IODINE		Plays a critical role in reproduction, thyroid hormone metabolism, DNA synthesis and protection from oxidative damage of cell membranes, tissue and skin. Important for immune function.																																																																										
Tomatoes + % (flavonoids)	Chicken / Dairy / Fish	G				Strawberries / Silverbeet	G																														IODINE		Plays a critical role in reproduction, thyroid hormone metabolism, DNA synthesis and protection from oxidative damage of cell membranes, tissue and skin. Important for immune function.																																																																						
Turmeric	Beef	G				Tomatoes /Zucchini	G																																		IODINE		Plays a critical role in reproduction, thyroid hormone metabolism, DNA synthesis and protection from oxidative damage of cell membranes, tissue and skin. Important for immune function.																																																																		
						Yoghurt / Eggs	G																																						IODINE		Plays a critical role in reproduction, thyroid hormone metabolism, DNA synthesis and protection from oxidative damage of cell membranes, tissue and skin. Important for immune function.																																																														
						VITAMIN B6 Pyridoxine																																											NUTS AND SEEDS																																																												
						Protein and carbohydrate metabolism, formation of red blood cells and brain chemicals, immune function and steroid hormone activity.																																													NUTS AND SEEDS																																																										
						Asparagus	VG																																														K1 seems to be the most important of K vitamins. Obtained from leafy green vegetables, Vitamin K is known for its clotting properties. Other functions include a role in cell growth, and metabolism of bone and tissue. Supports bone health and protects against osteoporosis.										NUTS AND SEEDS																																														
						Bananas	VG																																																										NUTS AND SEEDS																																												
						Broccoli/Brussels	VG																																														NUTS AND SEEDS																																																								
						Capsicum / Peppers	E																																																NUTS AND SEEDS																																																						
						Cauliflower / Celery	VG																																																					NUTS AND SEEDS																																																	
						Chicken / Grapes /Tuna	G																																																							NUTS AND SEEDS																																															
						Hemp Seeds	VG																																																												NUTS AND SEEDS																																										
						Mango /Melon /Ginger	G																																																														NUTS AND SEEDS																																								
						Mushrooms	VG																																																																NUTS AND SEEDS																																						
						Pineapple (B complex)	E																																																																		NUTS AND SEEDS																																				
						Lychee (B complex)	VG																																																																				NUTS AND SEEDS																																		
						Spinach / Kale	E																																																																						NUTS AND SEEDS																																
						VITAMIN B7 Biotin																																																																									NUTS AND SEEDS																														
						Necessary for energy metabolism and glycogen synthesis.																																																																											NUTS AND SEEDS																												
						Almonds / Peanuts	E																																																																												K1 seems to be the most important of K vitamins. Obtained from leafy green vegetables, Vitamin K is known for its clotting properties. Other functions include a role in cell growth, and metabolism of bone and tissue. Supports bone health and protects against osteoporosis.										NUTS AND SEEDS																
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						Tomatoes	VG																																																																														NUTS AND SEEDS																								
						B Complex vitamins are classified together due to their close functional relationship. In nature they are in conjunction - nowhere is a													NUTS AND SEEDS																																																																																										
						Strawberries	E																																																																																K2 is synthesised by the bacteria in animal and human intestines.										NUTS AND SEEDS												
						Sweet Potato	VG					NUTS AND SEEDS																																																																																																	
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Healthy Eating - Healthy Life

CARBOHYDRATES & SUGARS	FIBRE
<p>Carbohydrates (saccharides) are organic compounds occurring in food and living tissue, consisting of carbon, hydrogen and oxygen atoms. They are one of the main types of nutrients consumed as a source of energy. Carbohydrates are called simple or complex, depending on their structure. Simple carbohydrates (also called simple sugars) include sugars found naturally in food, as well as sugars that are added to food during processing and refining. Complex carbohydrates (also call starches) include grain products and fibre.</p>	<p>Fibre, also known as roughage, refers to plant based materials. There are two basic types of fibre: soluble and insoluble, depending on whether it dissolves in water. Soluble fibre is fermented by bacteria in our digestive tract. Insoluble fibre is not digestible by us or our gut microbes so it does not change form as it goes through our GI tract. Fibre is a food of choice for many of the healthy microbes in the gut. Without it, they do not thrive and they diminish in number. It keeps the bowels moving regularly and therefore prevents constipation by helping move bulk through the digestive tract. On the way it helps maintain good PH (acid balance) in the intestine and speeds up elimination of toxins from the body via the colon. Eating adequate soluble fibre can help prevent heart disease by reducing cholesterol levels. A diet with adequate insoluble fibre can decrease risk of constipation, colitis, colon cancer and haemorrhoids. A high fibre diet can also help with weight control as fibre fills you.</p>
<p>Function of carbohydrates</p> <p>Carbohydrates perform a variety of functions. They are involved in energy storage, providing the fuel for our cellular activity, stabilisation of metabolic processes, the structural framework of RNA and DNA, and cell to cell interaction. Carbohydrates are the primary source of food for the nervous system and brain. As a fuel carbohydrates are consumed and eventually broken down into smaller and smaller units of energy (glucose, galactose and fructose) in the digestive system. These small units of energy are absorbed into the body and carried to the liver where the liver converts the galactose and fructose into glucose, the main source of 'food' for the tissues, organs, muscles and brain. If the body does not need glucose for energy it is stored for later use after conversion to glycogen by the liver. Then when the cells need more energy, eg when exercising or when there has been a long time since eating, the body will convert the glycogen back to glucose to feed the cells.</p>	<p>Sources</p> <p>Insoluble: found in the skins, leaves and seeds of vegetables and fruits, as well as the bran portion of grains, whole grains, nuts, barley, brown rice as well as zucchini broccoli, celery and cabbage.</p> <p>Soluble: found in some vegetables, fruit and legumes like black beans, kidney beans, navy beans, lentils and peas. Oatmeal and oat bran are also very good. Plus pectin rich foods like apples, strawberries and citrus fruit.</p>
<p>Carbohydrate imbalances</p> <p>Although carbohydrates play many important roles in the body the over-consumption of this fuel can result in a variety of health problems including:</p>	FATS
<p>Poor blood sugar control:</p> <p>Eating an excess of refined carbohydrates can create a series of blood sugar highs and lows and these swings in blood sugar wreak havoc on the body's systems.</p>	<p>Fats, also known as lipids, are important for the body. They are the source of vital nutrients called essential fatty acids (EFA) that cannot be manufactured by the body, and must be consumed in the diet. Two kinds of EFA's are Omega-3 and Omega-6. Key roles of fats include the transportation and absorption of fat soluble vitamins A, D, E and K. EFA's must be present in the diet, along with vitamins D and E to produce adrenal and sex hormones and control cell growth. EFA's are a key component of cell growth.</p>
<p>Weight gain:</p> <p>Eating too much of any food, especially those high in refined carbohydrates can be a factor in weight gain. However much is involved with any gain in weight situation. Usual suspects are Vitamin and Mineral imbalances (deficiencies), Hormone imbalances, imbalances within the microbiome, Past trauma which can be your own experiences or generational and passed down etc</p>	<p>They distribute fat soluble Vit D, insulate nerves, help maintain body temperature. They increase metabolism and help dissolve body fat into fluids. They decrease blood cholesterol and triglyceride levels. EFA's and are also a component building block of prostaglandins. These hormone-like substances regulate every organ, tissue and cell in the body.</p>
<p>Brain fog:</p> <p>This can be an issue associated with falling blood sugar levels that occurs after the initial spike of blood glucose following the consumption of refined carbohydrates. The Cortices technique can help enormously to improve circulation of the brain and improve cell to cell communication.</p>	<p>Fat Imbalances:</p> <p>EFA deficiency symptoms include mood swings, dementia, memory loss, vision problems, sleep problems, hair and skin problems, excessive thirst, emotional sensitivity - and more.</p>
PROTEINS	PREBIOTICS & PROBIOTICS
<p>Proteins are organic compounds that consist of strings of amino acids. Proteins are primary building blocks of the structures of the cells and tissues of the human body and are involved in virtually all cell functions. They are a major structural component of all the tissue and cellular structures in the organs, endocrine and body parts. Protein in our diet is a source of nitrogen and amino acids. These materials are needed for growth of cells. Our body breaks down the proteins we eat into their component amino acids and then these amino acid building blocks are used to make new proteins and other substances in the body. Unlike fats and carbohydrates, the body has no storage buffer or protein reserves.</p>	<p>Prebiotics are non digestible food ingredients that feed and nourish the mutualist bacteria in the gut. They are generally from plant fibre and the body itself is incapable of digesting this type of fibre. They are digested by our gut bacteria. Current Australian, American and European diets have about 1-3g of prebiotic fibre per day in contrast to 10-20g per day from archaeological records of our species. This sharp drop in our daily intake of food for our trillions of friends in our modern diets suggests they might be hungry.</p>
<p>Function of protein</p> <p>As well as acting as a major structural component of the human body, proteins also contribute in a variety of other ways, including:</p> <p>Transportation and storage of molecules: They help carry oxygen around the body in the form of haemoglobin. Ferritin is a protein that helps store iron in the liver. They also help carry fat and cholesterol around the body.</p>	<p>Sources</p> <p>Prebiotics</p> <p>Present in about 30,00 edible plants. Some foods rich in naturally occurring prebiotics include garlic, leeks, onion, asparagus, artichokes, wheat bran, bananas, barley and rye. Barley and rye. All raw fruit and veg.</p>

PROTEINS	PREBIOTICS & PROBIOTICS
<p>Enzymes:</p> <p>Enzymes are proteins in the body that catalyse reactions to help break things down, such as the digestion of food, and manufacture things we need in various cells and tissues.</p>	<p>Probiotics</p> <p>The term is used to describe live bacteria and yeast (the good guys) . Some foods naturally contain live, friendly. bacteria. However the trend is to obtain these in supplements. Ideally the gut microbiome contains 500-1000 different species of microbes, whereas supplements generally contain just a few and can only go so far in balancing gut ecology.</p>
<p>Hormones:</p> <p>Some hormones are made of protein, other hormones are made by proteins (aka enzymes).</p> <p>Hormones are one of the main communicators in the body, sending messages from the endocrine glands where they are produced, throughout the bloodstream to their target tissues.</p> <p>Insulin is an example of a protein that regulates blood sugar.</p>	<p>Sources</p> <p>Yoghurt, milk, kombucha tea, miso soup, kefir, kimchi and sauerkraut - all with live cultures.</p> <p>It’s much easier to make your own things like sauerkraut than you’d think, give it a go.</p>
<p>Energy:</p> <p>They help produce the energy we need for life.</p>	WHAT MOTIVATES OUR HUNGER?
<p>Antibodies:</p> <p>Antibodies are proteins produced by B cells that are a key aspect of our pathogen defence system.</p>	<p>Researchers have long sought to understand why we pursue a certain diet. Many theories have abounded, which have now been put to the test, first with spider monkeys in the wild whose dining habits were carefully evaluated and later in pigs, rodents, fish, insects and humans. All keep eating until they get the needed amount of protein for their bodies regardless of how many calories or carbo- hydrates are consumed in the process.</p>
<p>Protein imbalances</p> <p>Egg is one of the most common food intolerances in infants and young children and generally fades over time.</p> <p>Symptoms include eczema, rashes around the mouth, hives or redness of the face.</p>	<p>When we look at humans, if protein is diluted with high carbohydrate or fat in our meals, it leads to over-consumpAon. Human test subjects kept eating until they reached their daily target protein intake, even if it meant over-consuming carlories or carbs. These findings suggest that in our modern highly processed ca and high fat diets, over-consumption to achieve our protein targets (a sub-conscious program driving our hunger), is likely an underlying factor in the obesity epidemic.</p>

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