

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 phosphorus. 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.
Apples (flavonoids)	Grapes	E	Asparagus	Eggs	G	Asparagus	E	Asparagus
Apricots (flavonoids)	Kale	E	Asparagus	Goats Milk	VG	Basil / Broccoli / Brussels	E	Basil
Artichokes cooked	Lettuce/Greens/Beans	G	Asparagus	Milk	VG	Cabbage / Celery	VG	Black Beans
Asparagus + %	Pumpkin/Squash	G	Capsicum / Chilli peppers	Milk / Goats Milk	VG	Carrots	GV	Broccoli / Brussels
Blackberries	Salmon (not farmed)	VG	Capsicum / Chilli peppers	Mushrooms brown	G	Cheese	G	Cabbage / Cauli
Blueberries (flavonoids)	Sardines / Scallops	G	Capsicum / Chilli peppers	Salmon	VG	Cherries	G	Chick Peas
Broccoli cooked	Shrimps	VG	Capsicum / Chilli peppers	Sardines	VG	Cinnamon	VG	Cumin
Brussel sprouts	Silverbeet	E	Capsicum / Chilli peppers	Scallops / Prawns	VG	Coconut milk	VG	Fennel
Cabbage green + %	Spinach	G	Capsicum / Chilli peppers	Yoghurt	G	Goats milk	VG	Green Beans
Cabbage red + %	Soybeans / Tofu	G	Capsicum / Chilli peppers	Chicken	E	Grapes	G	Kidney Beans
Capsicums + % (flavonoids)	Strawberries	VG	Capsicum / Chilli peppers	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.	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.	Hemp Seeds	VG	Leeks
Carrots + %	Tuna / Cod	G	Capsicum / Chilli peppers	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.	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.	Kale/ Leeks	VG	Lentils
Cauliflower	Walnuts	E	Capsicum / Chilli peppers	Antioxidant protection. Lowers cancer risk. Improves iron absorption. Regenerate Vit E supplies.	Antioxidant protection. Lowers cancer risk. Improves iron absorption. Regenerate Vit E supplies.	Lettuce	G	Lima Beans
Cherries	ESSENTIAL AMINO ACIDS	E	Capsicum / Chilli peppers	Almonds / Brazils	VG	Lychees	G	Navy Beans
Cloves	Play a role in gene expression Building blocks of protein	G	Capsicum / Chilli peppers	Asparagus	VG	Passionfruit	G	Olives
Cranberries	Peppermint	G	Capsicum / Chilli peppers	Blackstrap molasses	VG	Sardines	G	Oregano
Cranberry juice	Beans /Oats / Rye /Brown rice	TR	Capsicum / Chilli peppers	Blueberries	G	Sesame seeds	G	Romaine lettuce
Ginger	Chicken (organic)	all	Capsicum / Chilli peppers	Broccoli / Brussel sprouts	G	Spinach / Greens	E	Rosemary
Grape juice	Dairy / Eggs / Fish	all	Capsicum / Chilli peppers	Carrots	G	Tofu	G	Sesame Seeds
Green tea	Grains	methionine	Capsicum / Chilli peppers	Cayenne Pepper	VG	ESSENTIAL AMINO ACIDS	all	Soy Beans
Green beans / peas	Hemp seeds	all	Capsicum / Chilli peppers	Hemp seeds	F	A critical component in the formation of red blood cells. 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.	all	Spinach /Chard
Kiwi fruit	Legumes	lysine	Capsicum / Chilli peppers	Kiwi fruit	G	EGG	all	Thyme
Lychees	Quinoa	all	Capsicum / Chilli peppers	Mango / Papaya	G	EGG	all	Tofu
Mango	Soybeans	all	Capsicum / Chilli peppers	Olives	G	EGG	all	Tomatoes
Mushrooms	Whole grains (combined)	all	Capsicum / Chilli peppers	Quinoa	E	EGG	all	Turmeric
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.	all	Capsicum / Chilli peppers	Raspberries / Blueberries	VG	EGG	all	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)		Capsicum / Chilli peppers	Broccoli / Brussel sprouts	G	EGG	all	Asparagus /Broccoli
Passionfruit	Asparagus		Capsicum / Chilli peppers	Cabbage	E	EGG	all	Cauliflower
Pineapple and Pineapple juice	Green fibrous vegetables		Capsicum / Chilli peppers	Capsicum / Peppers	VG	EGG	all	Cheese (low fat)
Pinto beans dried	LIPOIC ACID		Capsicum / Chilli peppers	Carrots / Cucumbers	E	EGG	all	Chick peas
Plums (flavonoids)	Maintains antioxidant defence. Helps regulate blood sugar.		Capsicum / Chilli peppers	Cauliflower / Celery	VG	EGG	all	Chicken
Pomegranate	Onions (flavonoids) Eating a wide variety of protein containing foods is essential to meet this need.		Capsicum / Chilli peppers	Cherries	F	EGG	all	Coconut
Potatoes and Sweet potatoes + %	Broccoli, Greens, Spinach	G	Capsicum / Chilli peppers	Corn (non gmo)	E	EGG	all	Cod/ Tuna
Prunes	Calves liver / Beef	G	Capsicum / Chilli peppers	Cranberries	G	EGG	all	Eggs
Quinoa	GLUTAMINE		Capsicum / Chilli peppers	Kale / Greens	G	EGG	all	Hemp Seeds / Chia
Raspberries (flavonoids)	Maintains health of intestinal tract.		Capsicum / Chilli peppers	Leeks	E	EGG	all	Lentils
Strawberries (flavonoids)	Ensures proper acid balance.		Capsicum / Chilli peppers	Lemons / Limes	VG	EGG	all	Mushrooms
Tea	Beans / Beets / Cabbage	G	Capsicum / Chilli peppers	Lettuce	E	EGG	all	Oats
Tomatoes + % (flavonoids)	Chicken / Dairy / Fish	G	Capsicum / Chilli peppers	Lychees	VG	EGG	all	Prawns / Shrimps
Turmeric	Beef	G	Capsicum / Chilli peppers	Mango / Melon	VG	EGG	all	Quinoa
			Capsicum / Chilli peppers	Onions	E	EGG	all	Salmon / Sardines
			Capsicum / Chilli peppers	Oranges /Mandarins	E	EGG	all	Soybeans (non gmo)
			Capsicum / Chilli peppers	Papaya	E	EGG	all	Spinach
			Capsicum / Chilli peppers	Parsley	E	EGG	all	Tofu / Tempeh
			Capsicum / Chilli peppers	Pumpkin	VG	EGG	all	Turkey
			Capsicum / Chilli peppers	Sea Vegetables	R	EGG	all	Whole grains
			Capsicum / Chilli peppers	Silverbeet	VG	EGG	all	Yoghurt
			Capsicum / Chilli peppers	Soy	E	EGG	all	
			Capsicum / Chilli peppers	Spinach	E	EGG	all	
			Capsicum / Chilli peppers	Tomatoes	E	EGG	all	
			Capsicum / Chilli peppers	Plum	G	EGG	all	
			Capsicum / Chilli peppers	Pomegranate	G	EGG	all	
			Capsicum / Chilli peppers	Potatoes	G	EGG	all	
			Capsicum / Chilli peppers	Pumpkin /Squash	E	EGG	all	
			Capsicum / Chilli peppers	Raspberries	E	EGG	all	
			Capsicum / Chilli peppers	Silverbeet	E	EGG	all	
			Capsicum / Chilli peppers	Spinach	E	EGG	all	
			Capsicum / Chilli peppers	Strawberries	E	EGG	all	
			Capsicum / Chilli peppers	Sweet Potato	VG	EGG	all	
			Capsicum / Chilli peppers	Tomatoes	E	EGG	all	
			Capsicum / Chilli peppers	Watermelon	E	EGG	all	
			Capsicum / Chilli peppers	Zucchini	E	EGG	all	

Nature's Medicine Cabinet

Nature produces every food we need to be mentally and physically healthy, fit and dynamic. Foods listed are generally those with highest nutrient content in relation to calorie content, and those that are readily available. There are many other locally grown, nutrient rich foods - eating a wide variety is excellent. Eat local, what's in season, fresh, organic as possible, spray free, preservative free. Preservatives and additives create free radicals in your body, this develops into disease. Herbs and spices are also rich in many nutrients and can be included regularly in meals.

A healthy immune system relies on a healthy microbiome. Eating nutritious natural food uncontaminated by processing, pesticides, preservatives and other chemicals is the best way to ensure that your microbiome and therefore your immune system is functioning at its best - helping you avoid disease and helping you recover if you are ill.

Steaming or lightly sauteing is the healthiest way to eat foods. Overcooking destroys vitamins, minerals, antioxidants and other nutrients. Some foods are higher in antioxidants when cooked = +%

Nature is our greatest medicine cabinet - providing us with a multitude of life saving medicines. All foods contain specific phyto-nutrients that are supportive of good health and prevention of disease. All phyto-nutrients have functions preventing inflammation, cancers, influenzas etc Fruit and vegetables often advertise their particular phyto-nutrients by their colours. Also promoting healthy systems - bone, brain, digestive, heart, immune, muscle, nervous, respiratory, reproductive, skin, vision. Nutrients working together provide greater benefits than ones working alone, particularly in treating chronic diseases.

A good resource for more information - a good source is World's Healthiest Foods www.whf.com



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>	<p style="text-align: center;">FATS</p>
<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 sensitivities - 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. All raw fruit and veg.</p>

PROTEINS

PREBIOTICS & PROBIOTICS

Enzymes:

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.

Probiotics

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.

Hormones:

Some hormones are made of protein, other hormones are made by proteins (aka enzymes).
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.
Insulin is an example of a protein that regulates blood sugar.

Sources

Yoghurt, milk, kombucha tea, miso soup, kefir, kimchi and sauerkraut - all with live cultures.
It's much easier to make your own things like sauerkraut than you'd think, give it a go.

Energy:

They help produce the energy we need for life.

WHAT MOTIVATES OUR HUNGER?

Antibodies:

Antibodies are proteins produced by B cells that are a key aspect of our pathogen defence system.

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 carbohydrates are consumed in the process.

Protein imbalances

Egg is one of the most common food intolerances in infants and young children and generally fades over time.
Symptoms include eczema, rashes around the mouth, hives or redness of the face.

When we look at humans, if protein is diluted with high carbohydrate or fat in our meals, it leads to over-consumption. Human test subjects kept eating until they reached their daily target protein intake, even if it meant over-consuming calories or carbs. These findings suggest that in our modern highly processed and high fat diets, over-consumption to achieve our protein targets (a subconscious program driving our hunger), is likely an underlying factor in the obesity epidemic.

Notes: