



Processes

- All living things have seven things in common and are remembered by using the acronym, Mrs Nerg:
 - ⇒ Movement
 - ⇒ Respiration
 - ⇒ Sensitivity
 - ⇒ Nutrition
 - ⇒ Excretion
 - ⇒ Reproduction
 - ⇒ Growth
- Some of the main organs in the body are the heart, lungs, stomach, brain, kidneys and liver.
- The heart has four chambers and pumps oxygenated blood cells around the body.
- The standard healthy diet for a person with no medical needs (such as diabetes) contains a balanced mix of different types of food and drink highlighted in the Eat-well Plate, which included fruit and vegetables, carbohydrates, protein, dairy products, and oils and fats.
- Humans usually have 20 primary (deciduous, "baby" or "milk") teeth and 32 permanent (adult) teeth.



Significant Scientists

Christiaan Barnard (8 November 1922 – 2 September 2001) was a South African cardiac surgeon who performed the world's first human-to-human heart transplant operation.

Dr. Patricia Era Bath (November 4, 1942 – May 30, 2019) was an American optician, inventor and academic. She was the inventor of laser cataract surgery. Her invention was called Laserphaco Probe.



Careers

There are several careers that could be considered based on learning about the circulatory system, diet and exercise, digestive system and human organs , such as:

- Dentist, a person who is qualified to treat diseases and other conditions that affect the teeth and gums.
- Doctor, a person who is qualified to treat people who are ill.
- Chef, a professional cook in a restaurant.
- Physiotherapist, a person qualified to treat disease, injury, or deformity by physical methods such as massage, heat treatment, and exercise.
- Dietician, an expert on diet and nutrition.
- Surgeon, a medical practitioner qualified to carry out surgery.



Changes

- Men and women's bodies are different and develop during puberty.
- When going through puberty, girls will start their periods.
- When going through puberty boys, will start to have wet dreams.
- Sexual reproduction is the process in which new organisms are created and in humans, a baby is produced.
- Sexual intercourse is the journey that happens to make a baby.



Record

- Recording results in a table or chart can help make trends visible, such as a bar chart or line graph.

Key vocabulary and meanings

* **Organ** - a part of an animal's body which has a specific vital function.

* **Circulatory system** - made up of blood vessels that carry blood away from and towards the heart.

Diet refers to the food that a person, animal, or community habitually eats.

Puberty is when a child's body begins to develop and change as they become an adult.

Institutions—a social structure in which people cooperate and which influences the behaviour of people and the way that they live.



Scientific vocabulary