

Year 5 – Science – Adaptation of Animals and Plants

Key Vocabulary

Living organism	Something that can move, use energy and reproduce
Ecosystem	All plants and animals that live in a particular area together and their relationship between them and environment.
Biodiversity	Variety of animal and plant life in a particular ecosystem
Species	A specific type of plant or animal
Adaptation	Process of change by which an organism or species becomes better suited to its environment
Evolution	Process by which different kinds of living organisms are believed to have developed from earlier forms during the history of Earth'
Life Cycle	The series of changes in the life of an organism including reproduction
Metamorphosis	When insects and amphibians transform from larval stage to their adult form
Extinction	No longer in existence



A tropical rainforest is an ecosystem consisting of wet, warm forest all year round. They are home to approximately 50% of all living things on Earth.

Species of animal that live in the Amazon Rainforest include; **macaw, jaguar, tarantula, hummingbird** and many more!

Species of plants that live in the Amazon Rainforest include; **rubber tree, orchid, cacao, giant water lillies and banana trees**.



Adaptations

Piranhas have adapted to live and hunt in schools, they have sharp teeth, they have interlocking jaws, they have an **acute** sense of hearing to detect prey.

Adaptations can lead to the evolution of species.



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The Seven Life Processes

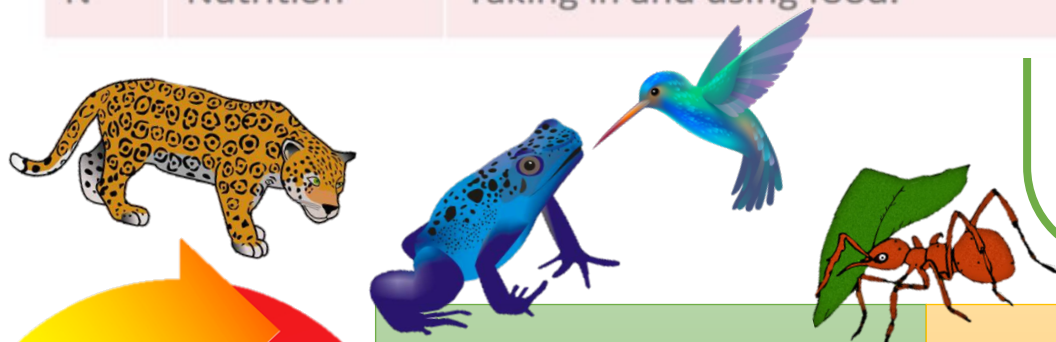
M	Movement	All living things move, even plants.
R	Respiration	Getting energy from food.
S	Sensitivity	Detecting changes in the surroundings.
G	Growth	All living things grow.
R	Reproduction	Making more living things
E	Excretion	Getting rid of waste.
N	Nutrition	Taking in and using food.

Food chains play a vital role of how plants and animals get their energy.

All food chains begin with **solar energy**, in order to allow the producers to grow.

An example of a food chain within the Amazon Rainforest is:

Sun -> Orchid -> Butterfly -> Toucan -> Jaguar



<p>Jaguar Live Young -> Kitten -> Adult</p>	<p>Poison Dart Frog Frog Spawn -> Tadpole -> Froglet -> Adult Frog</p>
<p>Leaf Cutter Ant Egg -> Larva -> Pupa -> Adult</p>	<p>Hummingbird Egg -> Young -> Adult</p>

Predator **Prey**

A predator is an animal that eats other animals. The animals that predators eat are called prey.