

Learning Goal

- ☐ I know what producers, consumers and decomposers are
- ☐ I can give examples of each group

**Think
Pair
Share**



Producer (Autotroph)

Track with me / Read with me

Organisms that make their own food from the non-living environment.

Auto (self) troph (feeder)

Consumer (Heterotroph)

Track with me / Read with me

Organisms that need to get their food by eating other organisms.

Hetero (other) troph (feeder)

Photosynthesis

Track with me / Read with me

The process used by plants to make their own food using the energy of the sun.

Activate Prior Knowledge

- In order for something to be living, it must be able to get nutrition and release energy for its cells to use through respiration

How do we know if something is living?

All living organisms must have all seven characteristics of living things – **MRS NERG**

Respiration – a process in living organisms that allows them to make energy

Content Development

- In an ecosystem, there are three main types of organisms:
 - Producers
 - Consumers
 - Decomposer

What are the three main types of organisms in an ecosystem?

Ecosystem – a community of living organisms and their environment

Organism - a living thing

Content Development

- Which group an organism belongs to depends on how they get their energy.

How do we decide which group an organism belongs to?

Organism - a living thing

Content Development

- Producers are organisms that can make their own food from their non-living environment.
 - Another word for producers is autotroph.



- How does a producer get its food?
- What is another word for 'producer'?

Organism - a living thing

Content Development

- Plants are always producers.
 - They use photosynthesis to make their energy from sunlight, carbon dioxide and water.

- Give a specific example of a producer
- What is the name for the process that plants use to make their food?

Organism - a living thing



Content Development

carbon dioxide
+
water



sunlight +
chlorophyll

glucose + oxygen
+ water



- What must plants have to do photosynthesis?

Organism - a living thing

Content Development

- Consumers are organisms that eat other organisms or their products. They cannot make their own food.

- What is a consumer?
- How does a consumer get its food?

Organism - a living thing



Content Development

- Consumers can be grouped by what type of food they eat:
 - Herbivores – eat plants only
 - Carnivores – eat other animals
 - Omnivores – eat plants and animals

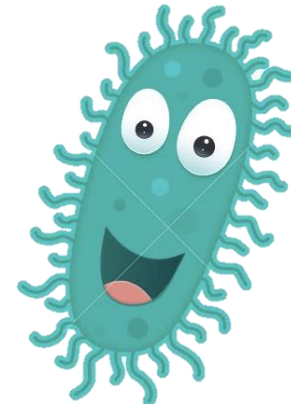


- How do we group consumers?
- Give an example of an organism that fits into each of the categories of consumer.

Organism - a living thing

Content Development

- Decomposers are a type of consumer that get their food from dead and decaying organisms.
 - They are important because they use waste and make nutrients available for other organisms to use again.



- Where do decomposers get their food from?
- Give an example of a decomposer

Organism - a living thing

Skill Steps / Guided Practice

- A meerkat's diet consists mostly of insects, but they also eat small rodents, fruit, birds, eggs, lizards even poisonous scorpions.

Are they producers or consumers?



- What is a consumer?
- What is a producer?

- **Producers** – make their own food
- **Consumers** – need to get their food by eating other organisms
- **Decomposers** – consumers that break down dead and decaying organisms

Skill Steps / Guided Practice

- Ommatokoita is a crustacean that burrows into the eyeball of the Greenland shark and anchors itself there, drinking eye jelly for the rest of its life.

Are they producers or consumers?



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Skill Steps / Guided Practice

- Llamas eat grass, corn, hay, alfalfa and grass roots.

Are they producers or consumers?

Baby llama don't need no drama



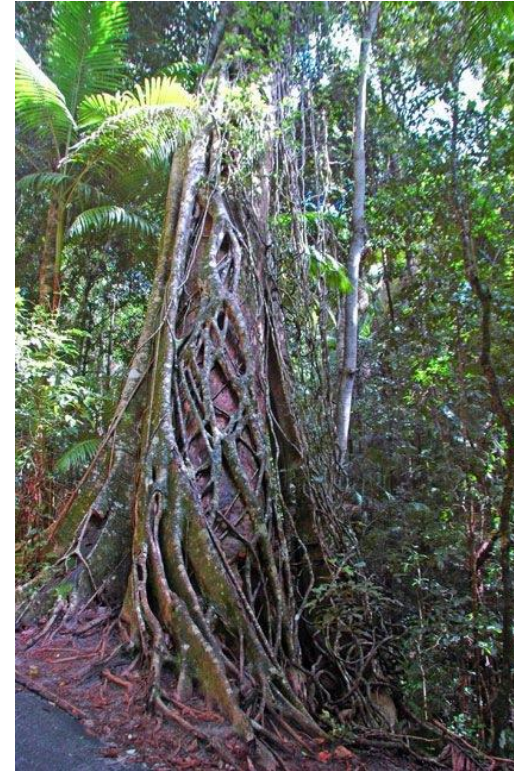
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Skill Steps / Guided Practice

- Strangler figs grow over other trees, stealing their nutrients and sunlight, often killing their host.

Are they producers or consumers?



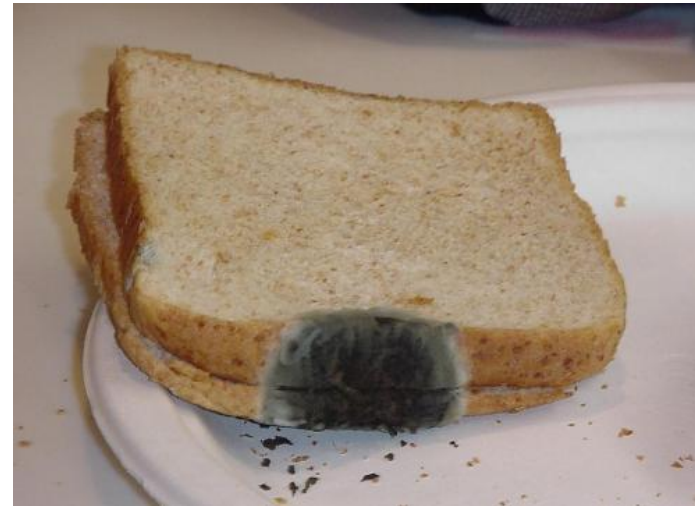
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Skill Steps / Guided Practice

- Black mould breaks down old bread and uses the energy for its own cells.

Are they producers or consumers?



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- What is a producer?

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Skills Check

In an ecosystem, there are three main types of organism:

Producers – make their own food from the non-living environment

Consumers – need to get their food by eating other organisms

Carnivore, herbivore, omnivore

Decomposer – consumers that break down dead and decaying organisms

- What are the three main types of organisms in an ecosystem?
- Where do they get their food from?

Organism - a living thing

Relevance

Through feeding relationships, energy flows through an ecosystem and the atoms that make up matter can be recycled.

- Why is learning about feeding relationships important?

Organism - a living thing

Independent Practice

Write whether each of the following is a producer, consumer or decomposer

1.	Apple tree	Producer	7.	Bacteria	Decomposer
2.	Mushroom	Decomposer	8.	Carrot	Producer
3.	Butterfly	Consumer	9.	Ibis	Consumer
4.	Dingo	Consumer	10.	Bee	Consumer
5.	Daffodil	Producer	11.	Cat	Consumer
6.	Snake	Consumer	12.	Human	Consumer

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