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All Things Living

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Do Now

Living or Not Living?





Is this alive?





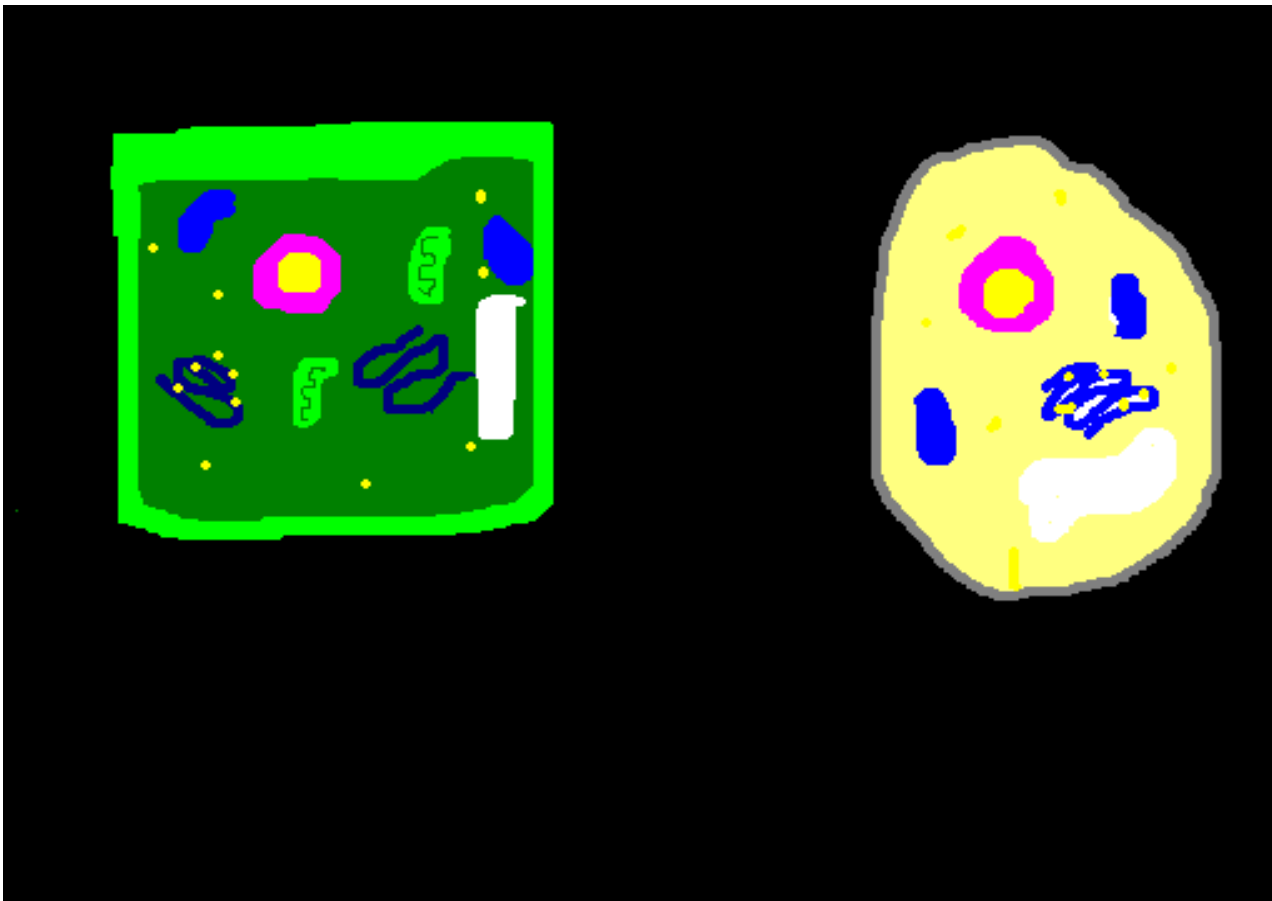
» Is this alive?



- Is this alive

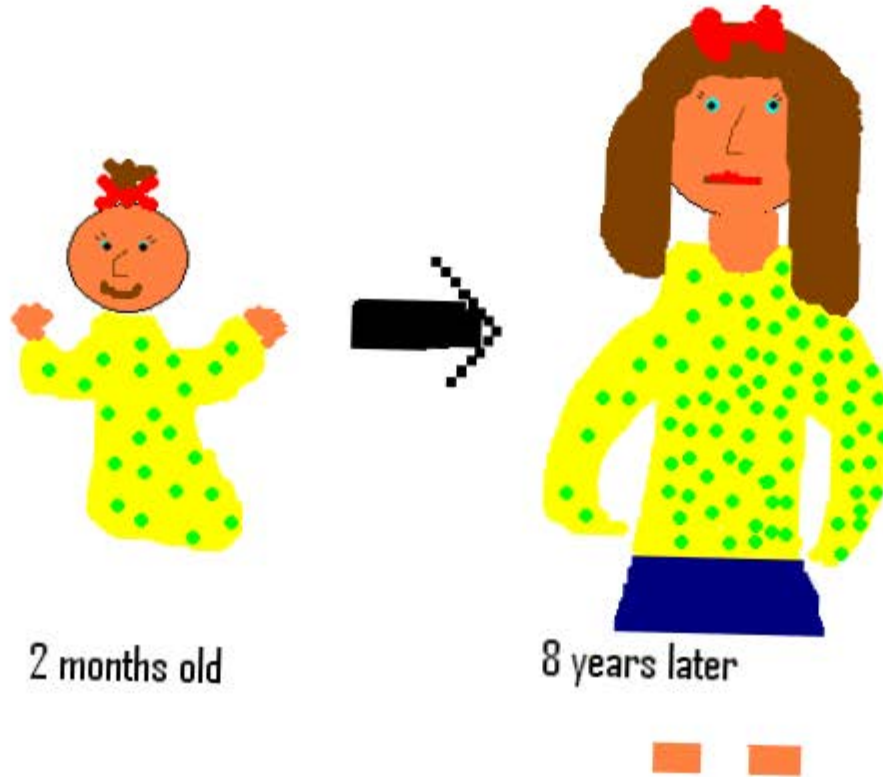
What makes something alive?

There are 8 characteristics that all living things have in common.



- 1) Living things are made of cells

- 2) All living things Grow and Develop

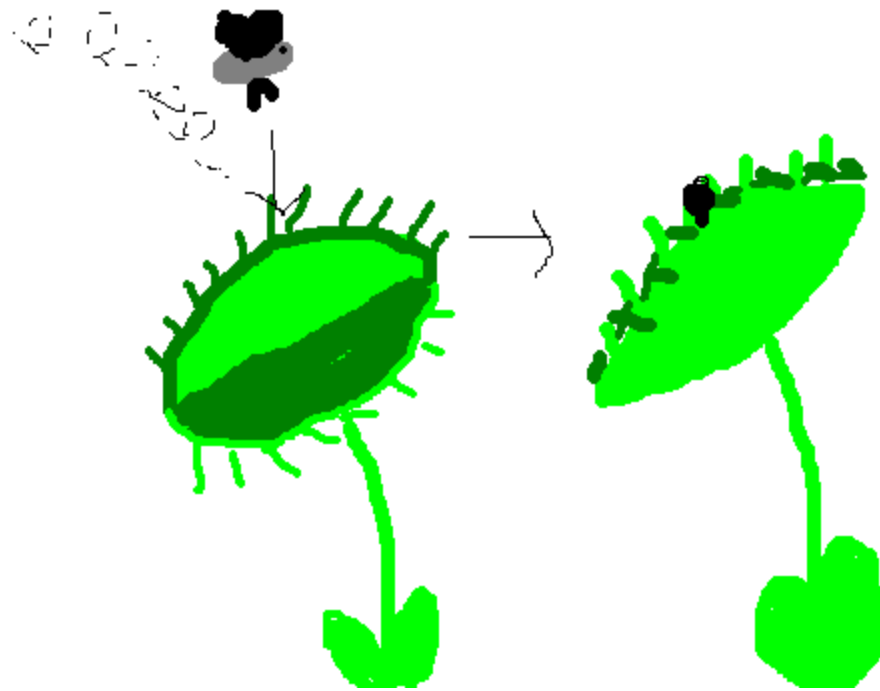




- 3) All living things reproduce



- 4) All Living things obtain and use materials and energy.



- One more clue



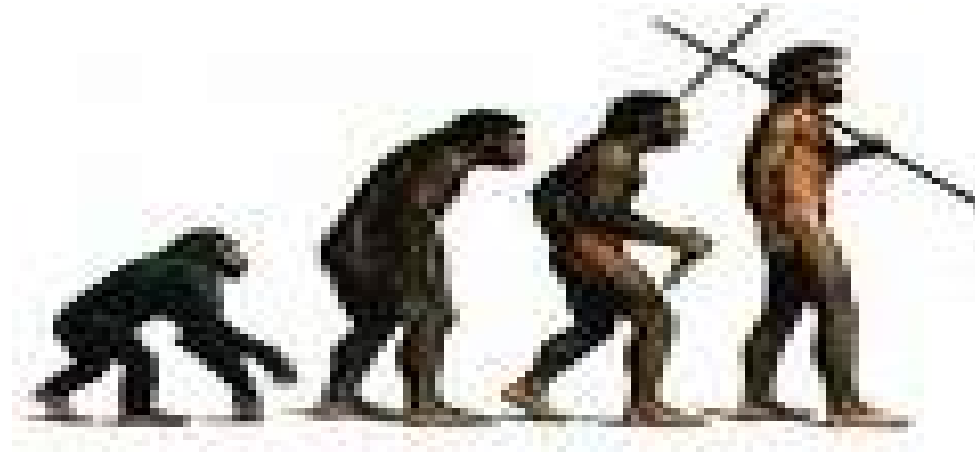
- 5) All living things respond to their environment



- 6) All living things are based on a universal genetic code.



- 7) All living things maintain a stable internal environment



- 8) Taken as a group all living things change over time.

Living or Non-living







Ticks on a Spanish Galgo



 **UNIVERSITY OF ZARAGOZA**
INSTITUTO DE INVESTIGACIONES ZOOVETERINARIAS







***Ingestion**- Taking in food

***Digestion**-Breaking down food into smaller pieces

***Respiration**- Bringing in oxygen and getting rid of carbon dioxide

***Excretion**- The way your body gets rid of waste products your body makes

* **Circulation**- The way your body moves oxygen and nutrients around your body.

- **Response to stimuli-** Respond to changes in the surroundings
- **Movement-** (animals) Some animals have the ability to move from place to place to avoid danger. Other living things have adaptations to make it possible to live in one place.
- **Growth and Development-** Living things change in their life time. An infant baby to a 14 year old girl.

***Reproduction-** All living things(as a group) make more of their on kind.

*** Based on a genetic code (DNA)-**
All living things are made from the instructions of DNA.
They are like Blueprints to a house.