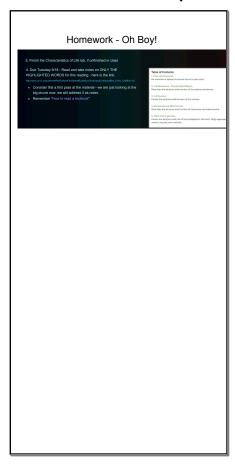
Agenda

Update Your TOC

- 1. Assign HW Finish lab questions by Tues 9/10
- Characteristics of Life Lab (TOC#3)
- 3. Characteristics of Life Notes (TOC#2)

TOC: Unit 1 - Characteristics of life and The Cell 4. ASSNIGMENT: Video of the Characteristics of Life (PDF, Webpage)
5. NOTES: Characteristics of Life (CLOZE, Complete)
2. LAB: Characteristics of Life (DOC)
1. ASSNIGMENT: Letter to the teacher (directions)



Warm-Up

What Does a Scientist Look Like?

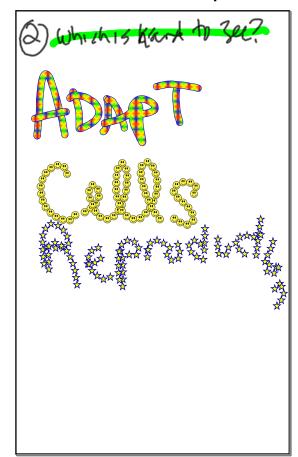
The 7 Characteristics of Life:



1. Living Things are Composed of Cells: 2. Living Things Have Different Levels of Organization:

- 3. Living Things Use Energy:
- 4. Living Things Respond To Their Environment:
- 5. Living Things Grow:
- 6. Living Things Reproduce:
- 7. Living Things Adapt To Their Environment:

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What: Do Yoursed
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Energy
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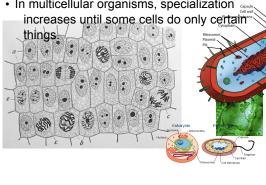
Descrip

4) all Scientists
agree

No
Most.

The 7 Characteristics of Life:

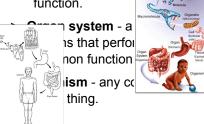
- 1. Living Things are Composed of Cells:
- Single-cell organisms have everything they need to be self-sufficient.
- In multicellular organisms, specialization a



2. Living Things Have Different

Levels of Organization:

- · Both molecular and cellular organization.
- · Living things must be able to organize simple substances into complex ones.
- · Living things organize cells at several levels:
 - > **Tissue** a group of cells that perform a common function.
 - > **Organ** a group of tissues that perform a common function.



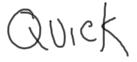
3. Living Things Use Energy:

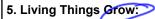
 Living things take in energy and use it for maintenance and growth.



4. Living Things Respond To **Their Environment:**

- · Living things will make changes in response to a stimulus in their environment.
- · A behavior is a complex set of responses.





- Cell division the orderly formation of new Cells come from
- Cell enlargement the increase in size of a cell. Cells grow to a certain size and then
- An organism gets larger as the number of its cells increases







> Sexual reproduction - Producing offspring by the joining of sex cells.

 Adaptations are traits giving an organism an adv · Variation of individuals is important for a healthy species

| | Questions: |
|----|--|
| 1. | Do all living things have all of the characteristics of life? If your answer is no, give an example. |
| 2. | Name some non-living thing that uses energy. |
| 3. | Name some non-living thing that grows. |



