

# **BIOLOGY CHILDREN**

I am so sorry I am gone today!!! I unexpectedly had to rush my dog to the emergency vet last night, and ended up having to put her down. Please be good noodles for your sub. And make sure you get your work done!

## **VIRUS CER** **REMINDERS:**

- *It is always better to fail honestly, and be able to revise and get an amazing score, than to make a dumb choice, cheat / copy, and get a permanent zero.*
- This CER will be a Summative Score (**worth 70% of your grade**).
- You will be able to revise it Friday if needed / wanted.
- Your **Claim is an answer to the prompt in 1 sentence!!**  
(There is a RIGHT and a WRONG answer.)
- Your **3 pieces of evidence should come from Question #6** in the Virus Reading.
- **For your explanation** make sure you **FIRST** list out all of the Living Characteristics and Requirements —> **THEN** connect it back to your evidence.

## **YOU NEED TO:**

- (1) Finish & Turn In your VIRUS CER.
- (2) STUDY for your Quiz tomorrow!!!

## **QUESTIONS YOU SHOULD BE ABLE TO ANSWER FOR TOMORROW'S QUIZ!!**

- ☐ What is required for something to be considered living?
- ☐ What are all of the Living Characteristics?
- ☐ Is “breathing” a requirement to be living?
- ☐ List out 4 things that could be considered LIVING.
- ☐ List out 4 things that could be considered NON LIVING.
- ☐ What does ABIOTIC mean?
- ☐ What does BIOTIC mean?
- ☐ List out 4 things that could be considered ABIOTIC.
- ☐ List out 4 things that could be considered BIOTIC.
- ☐ Would a dead plant or animal be considered ABIOTIC or BIOTIC? Why?

# Virus CER Prompt:

## Are Viruses Living or Non Living?

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### **Answers to the Virus Reading Qs (*that you need for your CER*)**

★ A Host is a living organism that a Virus infects.

★ Viruses cannot reproduce on their own.

Viruses land on and infect Host cells, and the host cells make more viruses.

★ Viruses do not “eat” or take in matter and energy.

Viruses rely on their host cells to have the necessary matter and energy to synthesize more viruses.

★ Viruses do not excrete any waste.

★ Viruses do not move on their own.

The host organism moves viruses when they cough, sneeze, and speak.

★ Viruses do not grow. Host cells develop the parts to make more viruses.

★ Viruses do not have the parts to respond to changes in their environment.

Viruses accidentally “adapt” when they form genetic mutations.

# **QUIZ CONTENT TO STUDY:**

- **The Living Characteristics:**

- Something needs to be able to complete all living characteristics either on its own, or with another of the same kind / species, to be considered living.
- Living things can **GROW & DEVELOP**.
- Living things can **REPRODUCE**.
- Living things can **MOVE**.
- Living things can **RESPOND & ADAPT**.
- Living things can **TAKE IN MATTER & ENERGY**.
- Living things can **EXCRETE WASTE**.

- “**Breathing**” is NOT a requirement for something to be “Living”!!!

- **Examples of LIVING Things:**

|          |          |          |      |
|----------|----------|----------|------|
| Grass    | Bacteria | Fungi    | Mold |
| Dog      | Cat      | Flower   | Tree |
| Mushroom | You      | Squirrel | Ant  |

- **Examples of NON LIVING Things:**

|       |          |          |             |
|-------|----------|----------|-------------|
| Water | Air      | Sunlight | Rocks       |
| Dirt  | Minerals | Wind     | Electricity |

- **ABIOTIC** = Something that was never living and is not living. (Inorganic!!)

- **Examples of ABIOTIC Things:**

|       |     |          |       |
|-------|-----|----------|-------|
| Water | Air | Sunlight | Rocks |
|-------|-----|----------|-------|

- **BIOTIC** = Something that is living / alive, or was once living / alive. (Organic!)

- **Examples of BIOTIC Things:**

|                        |          |       |     |
|------------------------|----------|-------|-----|
| Dead Plant /<br>Animal | Bacteria | Grass | Fly |
|------------------------|----------|-------|-----|