**Draft Rubric: Photosynthesis & Respiration Comic**

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| --- | --- | --- | --- | --- | --- |
|  | **6** | **4** | **3** | **2** | **1** |
| 7-01 Proper vocabulary | Correctly shows at least one of each organism type and classifies the organisms as producer/ consumer/decomposer/scavenger.  Correctly indicates consumers as primary, secondary or tertiary consumer (one of each must be present) |  |  |  |  |
|  | 2 |  |  |  |  |
| 7-02 | Correctly identifies an ecosystem to which the organisms would belong; |  |  |  |  |
|  | 4 |  |  |  |  |
| 7-03 | Displays at least 4 abiotic requirements of the organisms (soil, air, water, sun) |  |  |  |  |
|  | **10** |  |  |  |  |
| 7-08 |  |  |  |  |  |
|  | Compares photosynthesis and respiration  -what each one is for  -what goes in each one  -what comes out of each one |  |  |  |  |
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**Rubric: Photosynthesis & Respiration Comic**

**Name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mark: \_\_\_\_\_\_\_\_\_\_\_**

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|  | **6** | **5,4** | **3,2** | **1** | **0** |
| **7-09 Classify roles of organisms in food webs**  **7-12 Role of decomposers/**  **scavengers** | Correctly shows the ROLE of at least one of EACH organism of the following types and classifies them correctly  producer, primary consumer, secondary consumer, tertiary consumer,  decomposer, scavenger. | Correctly shows the ROLE of 4-5 organisms of the following types and classifies 4-5 of them correctly  producer, primary consumer, secondary consumer, tertiary consumer,  decomposer, scavenger. | Correctly shows the ROLE of at least 2-3 organisms of the following types and classifies 2-3 of them correctly  producer, primary consumer, secondary consumer, tertiary consumer,  decomposer, scavenger. | Correctly shows the ROLE of at least 1 organism of the following types and classifies 2-3 of them correctly  producer, primary consumer, secondary consumer, tertiary consumer,  decomposer, scavenger. | The ROLE of the organisms is not clearly communicated. |
|  |  |  | 2 | 1 | 0 |
| **7-02 Identify an ecosystem and its components** |  |  | Correctly identifies an ecosystem to which the organisms above would belong; all organisms in the comic would indeed be found in that ecosystem | Correctly identifies an ecosystem but not every organism in the comic would exist in that ecosystem | Ecosystem is not identified OR the ecosystem would not include any of the organisms in the comic |
|  |  | **4** | **3** | **1-2** | **0** |
| **7-03 Describes abiotic components of ecosystems**  **7-12 Role of decomposers/**  **scavengers** |  | Displays at least 4 ABIOTIC requirements of organisms (soil, air, water, sun) accurately to match the ecosystem | Displays at least 3 ABIOTIC requirements of organisms (soil, air, water, sun) accurately to match the ecosystem | Displays at least 1-2 ABIOTIC requirements of organisms (soil, air, water, sun) accurately to match the ecosystem | ABIOTIC requirements of organisms (soil, air, water, sun) not displayed or do not accurately match the ecosystem |
|  |  |  |  |  |  |
|  | **10** | **7-9** | **5** | **3-4** | **0-2** |
| **7-08 Compares processes of photosynthesis & respiration using appropriate vocabulary** | Compares CLEARLY using proper VOCABULARY  photosynthesis and respiration  -what each process is for (purpose , importance)  -what “goes in” each process  -what “comes out” of each process  -uses chemical symbols such as H20 along with words such as water | Compares photosynthesis and respiration  -what each one is for (their importance or purpose)  -what “goes in” each process  -what “comes out” of each process | Comparison of photosynthesis and respiration is lacking in ONE of the following areas:  -what each one is for (their purpose or importance)  -what “goes in” each process  -what “comes out” of each process | Comparison of photosynthesis and respiration is lacking in one or more of the following areas:  -what each one is for (purpose/importance)  -what “goes in” each process  -what “comes out” of each process | The purpose of photosynthesis and respiration is not shown or is incorrect; the starting materials are not shown or are incorrect; the ending materials are not shown or are incorrect |
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