Biology 1 Name:

***Photosynthesis & Cellular Respiration***  Date:

***Making a Connection*** Hour:

|  |  |  |
| --- | --- | --- |
| Question | Photosynthesis | Cellular Respiration |
| The equation is shown on what page in the book? |  |  |
| What gas is made? |  |  |
| What other material is made? |  |  |
| What gas in needed? |  |  |
| What other material is needed? |  |  |
| Is light required? |  |  |
| Does it occur in autotrophs, heterotrophs or both? |  |  |
| Is it going on inside of you? |  |  |
| Does it occur in an oak tree? |  |  |
| What cell part does it occur in (mainly)? |  |  |
| Is it a “building up” or “breaking down” process? |  |  |
| Is it a single step or a multi-step chemical reaction? |  |  |
| Is there a net gain of ATP molecules? |  |  |
| Does it raise or lower the amount of oxygen in the atmosphere? |  |  |
| Does it raise or lower the amount of carbon dioxide in the atmosphere? |  |  |

Why are photosynthesis and respiration considered complimentary processes? (Use at least 3 facts from the chart in your answer)