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Cells, Levels of Organization, Photsyntheseis & Cellular Respiration

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| **Across****4.** The process of oxidizing food molecules, like glucose, to carbon dioxide and water.**5.** In the cell, it's the processing factory.**6.** The place where photosynthesis occurs in the cell. It uses light to make energy from water and carbon dioxide.**8.** The process by which green plants use sunlight to synthesize foods from carbon dioxide and water.**10.** Flexible covering that surrounds a cell.**11.** The smallest unit of life.**14.** One of the 3 main things needed for photosynthesis (a form of energy from above).**15.** One of the products of photosynthesis (something we breathe in).**17.** One of the 3 main things needed for photosynthesis. It is absorbed from the roots of plants.**19.** Highly folded membrane connected to the nucleus' membrane. **20.** In the cell: thick fluid made mostly of water.**23.** What is formed when similar types of cells group together?**24.** In the cell, proteins are built inside these. | **Down****1.** A type of energy made during cellular respiration.**2.** What is formed when different organs work together?**3.** What is formed when different types of tissues work together?**7.** In the cell, transforms unusable energy from food into usable energy.**9.** Shapes and supports plant cells only.**12.** One of the products of cellular respiration (something we breathe out).**13.** A green pigment present in all green plants, responsible for the absorption of light to provide energy for photosynthesis. **16.** The control center for the cell.**18.** Pores in the leaves or stem of plants. **21.** What is formed when all the organ systems work together?**22.** One of the products of photosynthesis, besides oxygen. |

   organ       tissue       organ system       cell       organism       photosynthesis       carbon dioxide       oxygen       cellular respiration       glucose       sunlight       water       chloroplast       mitochondria       nucleus       cell membrane       cytoplasm       cell wall       ribosomes       endoplasmic reticulum       golgi apparatus       ATP       chlorophyll       stomata