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Introduction to Biology

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| **Across**  **2.** The movement of water from an area of high water concentration to low water concentration.  **5.** A specific type of diffusion which employs the use of protein channels.  **11.** Animal, fungi and \_\_\_\_\_\_\_\_\_ cells are all eukaryotic cells.  **14.** Active transport is the only transport mechanism that requires \_\_\_\_\_\_\_\_\_.  **15.**  Structure common to plant, bacteria and fungi cells.  **16.** A prokaryotic organism.  **17.** Rough endoplasmic reticulum is classed as ‘rough’ due to the presence of \_\_\_\_\_\_\_\_\_\_\_. | **Down**  **1.** Organelle that provides energy for the cell to use.  **3.** Plant organelle that stores wastes, water and other materials.  **4.** A particle composed of genetic material that is capable of causing illness.  **6.** Structures responsible for packaging materials and exporting them out of the cell.  **7.** Organelles responsible for photosynthesis.  **8.** Structure that enables a cell to move.  **9.** Adenosine Triphosphate is abbreviated to \_\_\_\_\_ and is the energy utilized by cells.  **10.** A feature common to prokaryotic and eukaryotic cells.  **12.** Form of genetic material found in cells.  **13.** Organelle that contains the genetic information in a cell. |