

**Chromosome**

coiled structure in a cell nucleus that carries information controlling the cell's activities

**diffusion**

the movement of a substance from an area of higher concentration to an area of lower concentration

**DNA**

a material in a cell's nucleus that stores coded information about how an organism will grow and develop

**endoplasmic reticulum**

a network of folded membranes that serves as the cell's transportation system

**mitochondria**

parts of cells that convert chemical energy of a food into a form that the cell can use

**mitosis**

the process in which a cell nucleus divides

**organelle**

a structure that performs specific functions within a cell

**osmosis**

the diffusion of water across the cell membrane

**ribosome**

a structure in the endoplasmic reticulum that begins the process of making proteins

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