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biology definitions -topic one 2

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| **Across****3.**  A type of cell found in bacteria that does not contain a nucleus.**5.** The smallest distance between two objects that can be distinguished.**7.** A quantitative unit of length. One micrometre is equal to ×10-​6​ metre.**11.** The speed at which reactants are converted into products.**12.** Enzymes that break down proteins into amino acids.**13.** The diffusion of water molecules from a region of high water concentration to a region of lower water concentration across a partially permeable membrane.**15.** A specialised structure found inside a cell.**18.** Loops of DNA found in the cytoplasm of prokaryotic cells.**19.** A specialised male sex cell that is involved in reproduction.**20.**  A large molecule that is synthesised from amino acids.**21.**  A cell that has a structure which makes it adapted to its function. | **Down****1.** The proportion of the mass of a substance that has changed over a set period, calculated using:**2.** A quantitative unit of length. One millimetre is equal to ×10-​3​ metre.**4.**  A cell that has a structure which makes it adapted to its function.**6.**  A quantitative unit of length. One picometre is equal to ×10-​12​ metre.**8.** The number of times bigger an image appears compared to the original object, calculated using the formula:**9.** An organelle found in plant cells which stores cell sap and supports the cell.**10.** Sub-cellular structures that are the site of protein synthesis.**14.** A quantitative unit of length. One nanometre is equal to ×10-​9​ metre.**16.** An organelle that is the site of respiration.**17.** An organelle found in most eukaryotic cells that contains the genetic material of the cell and controls the activities of the cell. |