The Characteristics of Living Things

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| **Across**  **3.** a single fertilized egg cell divides again and again to reproduce the many cells of mature organisms  **4.** changes to the conditions outside the body  **10.** a simple increase in size  **14.** the new organism has a single parent  **15.** someone who uses scientific methods to study living things  **16.** a signal to which an organism responds  **17.** the way an organism reacts to a stimulus | **Down**  **1.** a collection of living matter enclosed by a barrier that separates the cell from its surrondings  **2.** two cells from different parents unite to produce the first cell of the new organism  **5.** changes to the conditions inside the body  **6.** organsims that contain hundreds, thousands, or even trilions of cells  **7.** involves internal feedback mechanisms that work in much the same way as a thermostat  **8.** living things that consist of only a single cell  **9.** combination of chemical reactions through which an organism builds up or breaks down materials  **11.** inherited by a molecule called deoxyribonucleic acid, or DNA  **12.** the science that seeks to understand the living world  **13.** the way something changes over time |