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 |