

“6 Characteristics of Life” Foldable

The following foldable can be photocopied 2 per landscape letter size OR can be created by students in their interactive notebooks by gluing the top, left side, and bottom of two sequential pages together and then cutting six flaps consisting of three notebook lines each, allowing for a summary space below. “Underneath” each flap should be written the definition, description, or justification for each of the six characteristics based on the class discussions following the affinity diagram. Examples of definitions for the six sections are found in the “Critical Vocabulary” section of the lesson plan and on the next page. On the “back” of each flap is space for students to record examples, which may be teacher or student-provided, as shown on the next page.

It's Alive . . . Or is it?

To be judged biotic, an organism must show ALL of the:

S i x C H A R A C T E R I S T I C S O F L I F E	1 or More Cells
	Growth and Development
	Metabolism
	Response to Environment
	Reproduction
	Definite Life Span

Summary:

“6 Characteristics of Life” Foldable inside sections

Back of Flap

Under the Flap

<p>Unicellular example: bacteria</p> <p>Multicellular example: a plant or animal</p>	<p>Cell—the smallest unit of life</p> <p>Unicellular—single-celled organism</p> <p>Multicellular—organism made of many cells</p>
<p>Examples:</p> <p>seed to sapling to tree</p> <p>egg to larva to pupa to adult butterfly</p>	<p>the multiplication of cells in an existing organism to add mass or change its shape/structure</p>
<p>Examples:</p> <p>green plants absorbing sunlight</p> <p>student eating a hamburger</p>	<p>the energy-sustaining processes that use raw materials/ produce products like oxygen, carbon dioxide, sugars, etc.</p>
<p>Examples:</p> <p>vines twisting to be in the best light</p> <p>possums “playing dead” around predators</p>	<p>the ability of an organism to react to its surroundings to improve its chance of survival</p>
<p>Examples:</p> <p>plant leaf cuttings to make a new plant</p> <p>pollen & seed combined to make new plant</p>	<p>the asexual or sexual creation of a new organism by an existing organism or organisms</p>
<p>Examples:</p> <p>Average for an oak tree: 350 years</p> <p>Average for aquarium goldfish: 5-10 years</p>	<p>the limited time range before an organism’s cells break down beyond its ability to replace or repair them</p>