

****CLASS SET - Return to teacher at end of period!****

Unit 1 Vocabulary Definitions

Directions: Copy the following definition *exactly as written* into your vocabulary chart. Then use definition to finish the other boxes.

1	asexual reproduction	A type of reproduction involving only one parent that produces genetically identical offspring by budding or by the division of a single cell or entire organism into two or more parts.
2	bias	A particular preference or point of view that is personal rather than scientific.
3	biology	The study of life and living organisms.
4	biosphere	The entire portion of Earth that is inhabited by life; the sum of all the planet's communities and ecosystems.
5	control group	In an experiment, the trials or specimens where the independent variable does not exist, or is kept at a standard value.
6	controlled experiment	An experiment in which only one factor is changed, and all of the other factors are kept constant.
7	data	All of the information, both qualitative and quantitative, gathered from observations.
8	dependent variable	In an experiment, the factor that responds when another factor is manipulated.
9	homeostasis	Process by which organisms maintain a relatively stable internal environment.
10	hypothesis	A scientific explanation for a set of observations that can be tested in ways that support or reject it.
11	independent variable	In an experiment, the one factor that is manipulated to see what happens with the dependent variable.
12	inference	Logical interpretation based on what scientists already know.
13	metabolism	The combination of chemical reactions through which an organism builds up or breaks down materials.
14	observation	Use of one or more of the senses - sight, hearing, touch, smell, and sometimes taste - to gather information.
15	qualitative	Related to or describing the characteristics of something.
16	quantitative	Related to or involving the measurement of something numerically.
17	science	An organized way of gathering and analyzing evidence about the natural world.
18	sexual reproduction	Process by which cells from two different parents unite to produce the first cell of a new organism.
19	stimulus	A signal to which an organism responds.
20	theory	A well-tested explanation that unifies a broad range of observations.