Biology 1 ~ Unit 1 Study Guide

Please be sure to review your lab safety rules and complete this study guide to prepare for your assessment.

MATCHING:

1. b Metabolism
2. a Cell
3. f Organism
4. d Homeostasis
5. e Evolution
6. c Heredity

a. basic unit of life on Earth
b. all of the chemical processes that build up or break down materials
c. passing on genetic material to offspring
d. living thing's response to stimuli to maintain a stable internal environment
e. the change in living things over time
f. living thing

7. Describe a relationship between two living things that shows interdependence.

cow eats grass- poop fertilizes grass

8. Complete the table below.

Scientific Process	Description	Example
Observation	something you see or experience	color change in an experiment
Data	an observation you record	the temperature increased 10°F
hypothesis	an educated guess	I think or I predict

9. How does homeostasis keep an organism alive?

the organism responds to changes in the environment to keep internal conditions the same

10. How can you remember the difference between an independent variable and a dependent variable? Think about what the words independent and dependent mean?

independent - the variable the scientist changes
dependent - the variable that changes because the scientist changed something. It depends on the other

11. What is the difference between quantitative data and qualitative data?

numbers

description

12. Classify the following as qualitative data or quantitative data.

a. solution turned green qualitative
b. water boiled at 100 degrees quantitative