

Biology
Mr. Dickey

Unit 1: Introduction to Biology

Readings: Chapter 1

Microscopes R8-R10
Lab Safety R2-R4
SI Measurement R5
Data Tables/Graphs R15-R17

Activities/Labs:

Fortune Telling Fish
Scientific Method Worksheet
Scientific Method Activity
Gummy Worm Lab
Metric System Worksheet
News article on “New Life”
Using a Microscope/Micromystery

Homework Questions:

1.4 page 23 #4

Endo of chapter review page 29: 9,11,12,18,20,22-25, page 31: 1-6

Additional Question: When you exercise on a hot day you may both sweat and become thirsty. Explain both the sweating and thirst in terms of homeostasis.

Vocabulary:

Scientific Method observations Research Question hypothesis controlled
experiment independent variable dependent variable constants/controlled variables
control group Recording & Analyzing Data: (Qualitative and Quantitative)
conclusion Replicating the work Theory

Metric System: Meter Liter Cubic centimeter gram Celsius scale

Unicellular Vs multicellular Growth Vs development Asexual reproduction Vs
sexual reproduction Metabolism Adaptation Homeostasis

Compound light microscope Resolution Electron microscope (EM) Transmission
(TEM) Scanning (SEM) Microtome Cell culture centrifuge