

## Biology Quiz 1 Topics List - 8/26/16

### 1. Scientific Method

- a. Hypothesis → If...then statement
  - i. Hypothesis testability
- b. Independent Variable (X-Axis)
- c. Dependent Variable (Y-Axis)
- d. Control Group & Controlled Variables

### 2. Stem Cells

- a. 3 Characteristics
  - i. Dividing/renewing, unspecialized, give rise to specialized cells
  - ii. Differentiation
  - iii. Current & future research

### 3. Defining Life

- a. REACH-N-GO:
  - i. Reproduction
  - ii. Energy use (metabolism)
  - iii. Adapt & respond to their environment
  - iv. Cells
  - v. Homeostasis
  - vi. Nucleic acids
  - vii. Growth & development
  - viii. Organization

### 4. Analyzing & Interpreting Data

- a. Mean, Median, and Mode
- b. Line graphs, Bar graphs & Pie chart
- c. Determining Trends