

15. If you are given a choice of 2 of 3 or 3 of 4 topics, do not do extra. Only the required writing is graded.

16. Points are not subtracted for incorrect information, but no points are given for contradictory information.

17. Grammar and spelling are moot, as long as phonetically accurate, but do not make the reader work harder than necessary. Make your points easy to find.

18. ANSWER ALL QUESTIONS.

19. The exam is written to be hard. The average will be about 50%. It is very likely that you will not know everything. Relax, no one else will know it all either. Rather than get angry or upset, stay calm and think. Do your best and write thorough answers.

Lab Design

Things to include if asked to design or describe an experiment

- a. State the problem to be solved.
- b. Formulate a hypothesis.
- c. Identify the independent variable – What treatment you will apply?
- d. Identify dependent variable – How you will measure?
- e. Identify several variables to be controlled and eliminated.
- f. Describe the organism/apparatus to be used.
- g. Describe what you will actually do (how you will apply the treatment.)
- h. Describe how you will obtain and record data.
- i. Identify the control and experimental groups.
- j. Describe how you will analyze data. (Graphs, charts)
- k. State your conclusion, hypothetical or otherwise.

Graphing

Things to remember when graphing

- a. Set up the independent variable along the x-axis and the dependent variable along the y-axis.
- b. Mark off axis in equal increments and label with proper units.
- c. Plot points and attempt to sketch in the curve/line.
- d. If more than one curve/line is plotted, write a label on each and/or make a key.
- e. Give your graph an appropriate title. Include the dependent and independent variables in the title.