Unit 1 Lightbulb Grading

Name: ______________________________

Corrected By: ______________________

Questions: +8 (2 pts for writing each question)    ____/8

1. Explain step by step why each step of the scientific method is necessary?
2. Suggest an experiment that would show whether one type of food was better than another at helping an animal to grow faster.
3. Consider a salamander and a amoeba. What are their characteristics of life and what makes them different?
4. What was the impact of Pasteur's research on scientific thinking and characteristics of life?

Color: +8 (+2 per section)    ____/8
Diagrams: +8 (+2 per section)    ____/8
Written Explanations: +8 (+2 per section)    ____/8

Terms
(+2 Each, +1 if term is present, +1 if term is explained and/or diagrammed)

hypothesis       ____/2 observation    ____/2
data             ____/2 sexual       ____/2
variables        ____/2 asexual       ____/2
independent variable ____/2 spontaneous generation ____/2
dependent variable ____/2 stimulus       ____/2
control          ____/2 metabolism    ____/2
conclusion       ____/2 homeostasis    ____/2
biology          ____/2 quantitative  ____/2
biogenesis       ____/2 theory        ____/2
unicellular      ____/2 control group ____/2
multicellular    ____/2 experimental group ____/2

Final Score: ______ / 76