

The grade that you earn in your Eisenhower science classes is weighted. Some of the tasks that you complete are more important than others. In Biology, your grade is calculated according to the following weights:

- **Test & Quizzes:** (individual, phone-free, assessments) = 60%
- **Labs & Activities:** (investigation requiring forethought, technique and written analysis) = 25%
- **Homework & Classwork:** (individual practice activities performed at school or home)= 15%

1. At the end of the first unit, a Biology student is seeking to better understand her grade. She has earned a 10 out of 15 on her first quiz and a 37 out of 50 on her first test. Her first lab scored a 21 out of 25. She has received full credit for all of her homework and classwork assignments.

Tests & Quizzes

Points earned: \_\_\_\_\_ = % which by the UCS  
Out of Possible: 65 scale is a grade of: \_\_\_\_\_

Labs & Activities

Points earned: \_\_\_\_\_ = % which by the UCS  
Out of Possible: 25 scale is a grade of: \_\_\_\_\_

Homework & Classwork

Percentage earned = % which by the UCS  
scale is a grade of: \_\_\_\_\_

<u>Weight in Biology</u>
60
25
15

Total Score Earned in Biology:

(sum the three parts of score and round to the nearest whole number)

Current Grade in Biology:

Situation #1

The next unit begins with a 30-point lab/project. Although she only lost four points on her first lab, this student is determined to increase her lab scores. If she works hard and earns a perfect score on this lab, how will this affect her overall grade?

Points earned: \_\_\_\_\_ = % which by the UCS  
Out of Possible: 55 scale is a grade of: \_\_\_\_\_

X 25 =

Use this new total in place of the above 'Labs & Activities' subtotal



The student's new Biology score is \_\_\_\_\_, which equates to a grade of \_\_\_\_\_.

**Situation #2** (disregard Situation 1)

The next unit begins with six homework assignments (30 points). If this student works hard and continues to earn perfect scores, how will this affect her overall grade?

$$\text{Percentage earned} = \quad \% \text{ which by the UCS} \quad \times \quad 15 \quad =$$

scale is a grade of: \_\_\_\_\_



Use this new total in place of the previous  
'Homework & Classwork' subtotal

The student's new Biology score is \_\_\_\_\_, which equates to a grade of \_\_\_\_\_.

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**Situation #3** (disregard Situations 1 & 2)

Remembering this 'Weighted-Grading' assignment completed the first day of class, the student decides homework isn't really worth her time (*an attitude that will undoubtedly result in lower test and quiz scores*). She skips the next six assignments and her homework completion score drops to a 75%. How will this affect her overall grade?

$$\text{Percentage earned} = \quad \% \text{ which by the UCS} \quad \times \quad 15 \quad =$$

scale is a grade of: \_\_\_\_\_



Use this new total in place of the previous  
'Homework & Classwork' subtotal

The student's new Biology score is \_\_\_\_\_, which equates to a grade of \_\_\_\_\_.

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**Situation #4** (disregard Situations 1, 2 & 3)

Remembering this 'Weighted-Grading' assignment completed the first day of class, she decides that her test & quizzes need improvement. Instead of studying for a few minutes the night before, she puts in a half hour of study for the three night preceding her next quiz. This results in her scoring 19 out of 20. How will this affect her overall grade?

$$\begin{array}{l} \text{Points earned:} \quad \underline{\quad} = \\ \text{Out of Possible:} \quad 85 \end{array} \quad \% \text{ which by the UCS} \quad \times \quad 60 \quad =$$

scale is a grade of: \_\_\_\_\_



Use this new total in place of the  
previous 'Tests & Quizzes' subtotal

The student's new Biology score is \_\_\_\_\_, which equates to a grade of \_\_\_\_\_.

2. At the end of the first unit, a Biology student is seeking to better understand his grade. Although he has skipped half of his homework (earning 50% for that category) he has miraculously earned a 13 out of 15 on his first quiz and a 45 out of 50 on his first test. He failed to complete and turn in the unit's only lab, thereby earning 0 out of 25 points.

**Tests & Quizzes**

Points earned: \_\_\_\_\_ = % which by the UCS  
Out of Possible: \_\_\_\_\_ scale is a grade of: \_\_\_\_\_

**Labs & Activities**

Points earned: \_\_\_\_\_ = % which by the UCS  
Out of Possible: \_\_\_\_\_ scale is a grade of: \_\_\_\_\_

**Homework & Classwork**

Percentage earned = % which by the UCS  
scale is a grade of: \_\_\_\_\_

<i>Weight in Biology</i>
60
25
15

Total Score Earned in Biology:  
*(sum the three parts of score)*

Current Grade in Biology:

**Situation #1**

The next unit begins with a 30-point lab/project. This student does a marginal job, but submits a lab that earns 21 points.

The student's new Biology score is \_\_\_\_\_, which equates to a grade of \_\_\_\_\_.

**Situation #2** *(disregard Situation 1)*

The next unit begins with 30 points of homework. This student decides to change his study habits and completes all of his assignments. This brings his homework scores up to a 75 %.

The student's new Biology score is \_\_\_\_\_, which equates to a grade of \_\_\_\_\_.

**Situation #3** *(disregard Situations 1 & 2)*

Thinking Biology is easy and that all he needs to do is pass tests, this student continues his poor study habits. Unfortunately, this catches up to him on the next quiz when he only earns 11 out of 20 points.

The student's new Biology score is \_\_\_\_\_, which equates to a grade of \_\_\_\_\_.

3. A student that averages 'D's (65%) on tests and quizzes, but with strong labs (90%) and stellar homework (95%), earns what grade in Biology? Show your work.
  
4. A student that averages 'B's (85%) on tests and quizzes, but with poor labs (60%) and missing or Incomplete homework (50%), earns what grade in Biology? Show your work.
  
5. What is the highest grade a student that averages 'C's (75%) on tests and quizzes can earn in Biology? Show your work.
  
6. With a week left in quarter, a student suddenly becomes concerned about his Biology grade. He has done well with labs (averaging 80%), completes almost all of his homework, but underperforms on tests and quizzes.

He considers doing an 'Extra Credit' assignment issued by the teacher. The assignment represents approximately an hour and a half of work. Successful completion of the assignment will earn him an extra ten homework points. Currently, he has earned 130 of the 150 homework points, so the extra credit could increase his total to 140.

The student also considers that the last time he spent any considerable amount of time studying for a test, he scored almost ten points higher. He will soon take his last 50-point test of the quarter. Currently he has earned 105 of the 150 test and quiz points. Based on his past performance, he predicts he will earn 35 out of 50 on this last test, bringing his total for tests and quizzes to 140 out of 200.

If it will increase his test score by 10 points, should this student spend the hour and a half studying for his test or doing the 10-point extra credit assignment? Justify your answer by indicating which will most impact his overall Biology grade.

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*(To be completed in class with Mr. Logsdon the day this is due)*

***The moral of the weighted grade story is ...***

