

Lab Safety & Skills Quiz Review Answer Key

Multiple choice question #	Answer
1	4
2	4
3	2
4	3
5	2
6	2
7	3
8	1
9	2
10	4
11	3
12	2
13	3
14	2
15	5
16	3
17	3
18	1
19	2
20	1
21	2
23	1

Short Answer:

22.

- The experimental group will get large doses of vitamin C, while the control group will not (will get a placebo or a saline solution injection).
- Two conditions that must be kept constant are the same wound type, age, gender, diet, room temperature etc.
- Data to be collected is time for each person's wound to heal (in days)
- Experimental results that would support the hypothesis are that those people given the vitamin C had their wounds heal in less time (faster) than those without the vitamin C.

24. A- eyepiece and C-objective lens are used to calculate total magnification under high or low power by multiplying the two numbers.

25.

- It is hypothesized that iron will increase growth when added to the original solution.

- The experimental group will receive the previously used solution plus iron, while the control group will just receive the previously used solution.
- Two factors that must be constant in both groups are type of lettuce, amount of light, room temperature.
- The type of data to be collected is the growth of the lettuce leaves in both groups.

26. Your x-axis (independent) should have time counting by 5's starting at 5 at the origin and going up to at least 25

Your y-axis should start at 0 and go up to at least 75 (I counted by 10's skipping a space)

The yeast at 20 degrees graph should be lower than the yeast at 35 degrees graph

****for full credit connect lines with straight edge and surround points with correct symbols****

27. Experimental results that would indicate that acid rain (pH of 4.5 and 4.0) could be responsible for a decrease in the number of young maple trees are that the number of seeds germinated at the pH of 4 is less than that of seeds germinated in normal rain (5.6).