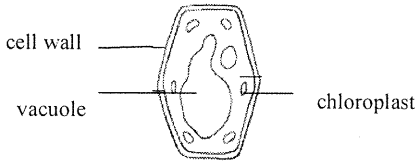


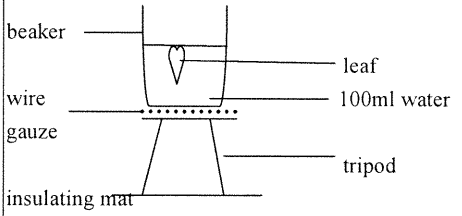
Suggested answer

Section A:

| | | | | | | | | | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|----|---|----|---|----|---|----|---|
| 1 | B | 2 | A | 3 | B | 4 | C | 5 | D | 6 | B | 7 | B | 8 | C | 9 | C |
| 10 | D | 11 | B | 12 | C | 13 | C | 14 | A | 15 | C | 16 | D | 17 | C | 18 | D |

Section B:

| | | |
|-----|--|-------------|
| 1a | A: nucleus B: cell membrane C: cytoplasm | 1 1 1 |
| 1b. |  <p>clear diagram: 1 each correct label : 1</p> | 4 |
| 2a. | $\text{the diameter of each marble} = \frac{4.5}{5} \quad (1+1)$ $= 0.9 \text{ cm} \quad (1)$ <p>heading/word answer : 0.5p missing/wrong unit: -0.5</p> | 3+0.5 |
| b. | <p>(1) <u>Measure the weight of beaker with a balance.</u> (W1) 1+1 (2) Put the water into the beaker. 0.5 (3) Measure the total weight of beaker and water. (W2) 0.5 (4) Calculate the difference between the weights. (W2 - W1) 1+(1)</p> | |
| c. | $\text{the volume of each marble} = \frac{6.8 - 5.2}{4} \quad (0.5+0.5+1)$ $= \frac{1.6}{4} \quad (1)$ $= 0.4 \text{ cm}^3 \quad (1)$ <p>heading/word answer : 0.5p missing/wrong unit: -0.5</p> | 4+0.5 |
| 3a. | <p>1. We should keep the laboratory tidy. 2. We should not run in the laboratory. 3. We should tie up the hair. 4. We should not leave the experiment unattended. 5. We should not eat in the laboratory.</p> | 5+1 |
| b. | fire extinguisher / sand bucket | 1 |
| c. | she should report to the teacher and wash the wounds in running water | 2 |

| | | | | | | | | |
|--------------------------|---|----------------------|---------------------------|--------------------|------------------|--------------------------|--|---|
| 4. | <table border="1"> <tr> <td>Independent variable</td> <td>The bands of tissue paper</td> </tr> <tr> <td>Dependent variable</td> <td>The weight added</td> </tr> <tr> <td>TWO controlled variables</td> <td>Position of wooden blocks / position of weight added / Length of tissue paper / ...any other reasonable answer</td> </tr> </table> | Independent variable | The bands of tissue paper | Dependent variable | The weight added | TWO controlled variables | Position of wooden blocks / position of weight added / Length of tissue paper / ...any other reasonable answer | 4 |
| Independent variable | The bands of tissue paper | | | | | | | |
| Dependent variable | The weight added | | | | | | | |
| TWO controlled variables | Position of wooden blocks / position of weight added / Length of tissue paper / ...any other reasonable answer | | | | | | | |
| 5a.(i) | Bunsen burner | 1 | | | | | | |
| a.(ii) | We should open the windows. / We put the Bunsen burner on an insulating mat. / We should tie up the long hair. / We should wear safety goggles. / ... (any two) | 2+1 | | | | | | |
| a.(iii) | C | 1 | | | | | | |
| b. | stopwatch / watch | 1 | | | | | | |
| c. |  | 6 | | | | | | |
| d. | A dropper | 1 | | | | | | |
| e. | The leaf has some starch. | 2 | | | | | | |
| 6a. | If he pull the toy car farther backward, it will go farther forward when he releases it. | 1 | | | | | | |
| b. (i) | Correct scales: (1) Correct labeling of two axes: (1) Correct points plotted : (1) Graph well-joined: (1) | 4 | | | | | | |
| (ii) | If the toy car is pulled farther backward, it will go farther forward. | 1 | | | | | | |
| 7a. | The women working in milk farms seldom suffered from smallpox. | 1 | | | | | | |
| b. | Women seldom suffered from smallpox if they got cowpox. | 1 | | | | | | |
| c. | He did a lot of experiments. | 1 | | | | | | |
| d. | His discovery can save lots of lives. | 1 | | | | | | |