

**Year 8 Microscope Assessment** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Form: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Total Marks: \_\_\_\_\_\_\_\_\_\_\_/ 23**

**Attempt all** of the following questions.

1. Provide information of 2 people that contributed to the development of the microscope by completing the table below: (6 marks)

|  |  |  |
| --- | --- | --- |
| Person (1 x 2) | Date (1 x 2) | Contribution (1 x 2) |
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1. Outline the main difference between how the light microscope and the electron microscope work. (2 marks)

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1. Explain the main difference between the TEM (Transmission) and the SEM (Scanning electron microscope). (2 marks)

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1. Provide any two reasons why microscopes are useful: (2 marks)

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1. List any 3 safety rules to be considered when using a microscope. (3 marks)

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1. Describe what happens to an image when viewed under a microscope. (2 marks)

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1. Complete the following table for a standard light microscope : (6 marks)

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| Eye Piece/ Ocular lens | Objective lens | Total Magnification |
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|  |  |  |