Class 10 science diagrams: draw, label and explain

Practice worksheet - Science · Grade 10

Name: _____ Date: _____

Show your working. Answers are not included in this copy.

Try each task before opening its answer. Give an example or reason, not only a label.

Write an answer and your reason before opening the explanation. Check the reasoning as well as the final answer.

1. Should an ammeter be in series or parallel with the measured current path?

2. Where should a voltmeter connect when measuring a resistor's potential difference?

3. What can a small gap in a wire represent?

4. What is conventional current direction in the external circuit?

5. What happens to a ray parallel to the axis through a convex lens in the school model?

6. What happens to a ray through the optical centre of a thin lens?

7. An object is at 2 F of a convex lens. State image position.

8. An upright object is at 2F of a convex lens. State the image orientation and relative size.

Practice continued

9. What do dashed backward ray extensions represent?

10. Is the stomatal pore itself a guard cell?

11. Name the long conducting part of a neuron.

12. How many C-H single bonds does methane have?

13. What does one line in a simple covalent structural formula represent?

14. Why redraw a diagram without looking at the model?