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Section Review 1.1 Mathematics and
Physics pages 3–10 page 10 13. Math

Why are concepts in physics described
with formulas? The formulas are concise
and can be used to predict new data. 14.

Magnetism The force of a magnetic field
on a charged, moving particle is given by

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PRINCIPLES vr The velocity of a fluid particle is tangent to its streamline. The speed is higher where the streamlines are

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closer together. Density ρ v_2 v_1 p_1 , y_1 p_2 , y_2 A_1 A_2 v_{avg} p L p_1 D_p A R
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the univ.... basic building block of matter.
the number of atoms or molecules in 1
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Page 48/66

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