

Ch. 1 Sec 2

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- 1.a. Scientific inquiry refers to the diverse ways in which scientists study the natural world and propose explanations based on evidence they gather.
- 1.b. You could, because the hypothesis can be tested.
- 1.c. The comparative growth of pea plants and corn plants.
- 2.a. Researchers must be able to carry out investigations and gather evidence that will either support or disprove the hypothesis.
- 2.b. Studying for an exam while listening to classical music improves exam scores.
- 3.a. Curiosity, honesty, open-mindedness, skepticism, and creativity.
- 3.b. Open-mindedness helps a scientist accept new ideas; skepticism helps the scientist question whether the ideas are correct.
- 3.c. Yes. Open-mindedness helps you accept new ideas; skepticism helps you reject incorrect ideas.