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Question: What is at the heart of scientific inquiry, according to the text?

- A) The theory of relativity
- B) The discovery of penicillin
- C) The scientific method
- D) The study of galaxies

Correct Answer: C) The scientific method

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Question: Which of the following is an example of interdisciplinary collaboration in science, as mentioned in the text?

- A) Biology and mathematics
- B) Biochemistry and physics
- C) Biochemistry, which merges biological and chemical principles
- D) Chemistry and astronomy

Correct Answer: C) Biochemistry, which merges biological and chemical principles

3

Question: What role do technological advancements play in scientific research, according to the text?

- A) They limit the scope of scientific inquiry
- B) They have no impact on scientific research
- C) They enhance our ability to explore and understand the universe
- D) They replace human scientists

Correct Answer: C) They enhance our ability to explore and understand the universe

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Question: According to the text, what is one way to inspire the next generation of scientists?

- A) By discouraging curiosity and critical thinking
- B) By promoting arts and humanities education
- C) By encouraging curiosity, fostering critical thinking, and promoting STEM education
- D) By limiting access to scientific knowledge

Correct Answer: C) By encouraging curiosity, fostering critical thinking, and promoting STEM education

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Question: What is the ultimate goal of science, as described in the text?

- A) To collect a vast array of facts
- B) To prove a particular theory
- C) To unlock the secrets of the universe and equip ourselves to tackle the challenges of the future
- D) To conduct experiments for their own sake

Correct Answer: C) To unlock the secrets of the universe and equip ourselves to tackle the challenges of the future