

## CHAPTER ONE TEST

### I. Vocabulary Matching (2 points each = 30 points)

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|------------|--------------------|----------------------|-------------|
| A. Wisdom  | E. Gospel          | I. Hypothesis        | M. Openness |
| B. Theory  | F. Reason          | J. Universe          | N. Theology |
| C. Paradox | G. Faith           | K. Scientific Method | O. Logos    |
| D. Order   | H. Complementarity | L. Religion          |             |

- \_\_\_\_\_ 1. Ability to think clearly and come to correct answers about certain kinds of problems; capacity for wisdom. (p. 2)
- \_\_\_\_\_ 2. Process by which one formulates questions, carries out investigations, analyzes and interprets data, and constructs explanations on this basis. (p. 8)
- \_\_\_\_\_ 3. Well-tested and well-developed explanation of material realities. (p. 9)
- \_\_\_\_\_ 4. All-embracing understanding of reality as a whole in light of ultimate causes, especially in light of the end or goal of all things. (p. 2)
- \_\_\_\_\_ 5. Practice of faith in prayer, worship, and daily life. (p. 3)
- \_\_\_\_\_ 6. Entrusting of one's whole self to God and the new path of knowing that it makes possible. (p. 3)
- \_\_\_\_\_ 7. When faith turns to thinking about what is believed; faith seeking understanding. (p. 12)
- \_\_\_\_\_ 8. Fact that the universe is characterized by a significant amount of intrinsic unpredictability. (p. 10)
- \_\_\_\_\_ 9. Situation in which two seemingly irreconcilable assertions are made about a natural phenomenon. (p. 16)
- \_\_\_\_\_ 10. Explanation to be tested and possibly disproved. (pp. 8-9)
- \_\_\_\_\_ 11. "Diverse unity"; complex collection of very different things that are all connected in some real way. Sum total of all beings that are changeable and material. (p. 4)
- \_\_\_\_\_ 12. Principle that objects have properties that cannot be observed all at once because of the limitation of our point of view. (p. 17)
- \_\_\_\_\_ 13. Predictable patterns in the universe that can be understood and described with laws — laws that can be formulated in mathematical terms. (p. 9)
- \_\_\_\_\_ 14. Announcement of salvation through Jesus' life, Death, and Resurrection. (p. 14)
- \_\_\_\_\_ 15. "Mind" or "Reason"; the Second Person of the Blessed Trinity, the Son. (p. 13)

**II. People Matching (2 points each = 20 points)**

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|------------------------------|--------------------------------|-----------------------|---------------------|
| A. St. John Paul II          | C. St. Anselm<br>of Canterbury | E. Friedrich Miescher | H. Neils Bohr       |
| B. St. Ignatius<br>of Loyola | D. Albert Einstein             | F. Murray Gell-Mann   | I. Gregor Mendel    |
|                              |                                | G. Francesco Grimaldi | J. Sir Isaac Newton |

- \_\_\_\_\_ 16. Founder of the Jesuits who had a religious experience at the river Cardoner in which he was able to see the world in a new way, with a new understanding. (p. 7)
- \_\_\_\_\_ 17. Medieval bishop and theologian who said theology is “faith seeking understanding.” (p. 12)
- \_\_\_\_\_ 18. Physicist who introduced the scientific principle of complementarity. (p. 17)
- \_\_\_\_\_ 19. Pope who wrote that faith and reason are “like two wings on which the human spirit rises to the contemplation of truth.” (p. 2)
- \_\_\_\_\_ 20. Physicist who accurately predicted the existence of a subatomic particle based upon a sense of order and beauty. (p. 9)
- \_\_\_\_\_ 21. Nineteenth-century pioneer in the field of cell biology. (p. 6)
- \_\_\_\_\_ 22. Augustinian monk who discovered the laws of genetics. (p. 9)
- \_\_\_\_\_ 23. Jesuit priest who discovered diffraction. (p. 16)
- \_\_\_\_\_ 24. English scientist who discovered the law of gravity. (p. 9)
- \_\_\_\_\_ 25. Twentieth-century scientist who demonstrated that light is a “wavelike particle” called a photon. (p. 16)

**III. Short Answer (5 points each = 30 points)**

*Answer these questions in 2–3 sentences.*

26. How are faith and science alike? How are they different?

27. If we have faith, why is theology still necessary?

28. What is the difference between a “how” question and a “why” question? Which one does science answer? Which one does faith answer?

29. Why does science depend on the universe being orderly?

30. What is emergence? What does it tell us about the limitations of science?

31. How do paradoxes help us to understand the universe? What role does complementarity play in this process?

**IV. Essay (20 points)**

*Answer the following in 2-3 paragraphs.*

**32.** Explain why the human person is the crossroads of nature and spirit, faith and science, and why Jesus Christ, above all others, is the crossroads of nature and spirit.