

## 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. <i>Logos</i> |
| 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.