

QUESTION SHEET

Your Name _____

Circle your course: AST 101 AST 102

"Why We Need to Understand Science"

Dr. Carl Sagan
PARADE MAGAZINE
September 10, 1989

1. How does Sagan contrast science versus pseudoscience?
2. What is the estimated % of scientifically *illiterate* Americans? _____%
3. What is "a clear prescription for disaster?"
4. Why is there a reason for nervousness about science and technology?
5. But yet, advances in medicine and agriculture have done what?
6. What is our new responsibility forced upon us by our scientific success?
7. Science is more than just a body of knowledge. It is what?
8. What is the "fine balance" it (science) requires?

9. He discusses how well admired was the teaching profession during the Great Depression and contrasts it with today.

He feels that we need (fill in blanks) more _____ for teacher
_____ and _____, and for _____, so kids will get
_____ experience.

10. American kids don't do enough _____.

11. The U.S. is losing \$25 *billion* a year to what(?!) because workers can't do what?!

12. What two programs for children and adolescents are proven to increase the chances for success in later life, particularly for the minority and socially disadvantaged child?

13. What is strange to Sagan about some scientists? (two things)

14. The Apollo program and the like have the side effect of doing what?

15. The scientist maintains the _____ of early childhood?

16. What is Sagan's haunting vision of future America?

17. He concludes by stating that public understanding of science is more central than "a half a dozen strategic defense systems" to what?