

17F

1. What is scientific knowledge based on? it is based on knowing how to work on a stuff

2. When does scientific knowledge change? one at a time

3. Write a definition for scientific reasoning

4. Match the following characteristics of scientific thinking:

- a. skepticism fx 1. Making observations and asking questions about them
- b. ethics bx 2. How a person grows up effects how they think
- c. subjective reasoning ix 3. To be truthful
- d. faulty reasoning ix 4. Start with an idea and apply it to an observation
- e. honesty ix 5. A mistake in design that causes the results to be wrong
- f. creativity ix 6. A conclusion based on evidence
- g. open-mindedness bx 7. Your likes and dislikes influence how you think
- h. curiosity ix 8. Knowing right from wrong
- i. deductive reasoning d 9. Not enough data to support the answer
- j. personal bias ix 10. Coming up with new ideas and making new things
- k. experimental bias mx 11. Being able to accept new things and ideas
- l. objective reasoning a 12. Having an attitude of doubt
- m. inductive reasoning gx 13. A conclusion based on personal feelings
- n. cultural bias cx 14. Start with an observation and come up with an idea

5. ISN'T IT AMAZING WHAT THE Lord body HAS MADE!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

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