

SCORING FORMS

STUDENT _____ SCORER _____ TASK _____

STC #1: USES COVARIATION AS A BASIS FOR INFERRING CAUSALITY

TIME ___ : ___ PRE ___ POST ___ TIME ___ : ___ PRE ___ POST ___

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STC #2: USES ABSENCE OF COVARIATION AS EVIDENCE OF NO RELATIONSHIP

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STC #3: VARIES FACTORS TO ESTABLISH THE PRESENCE OR NATURE OF A RELATIONSHIP

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STC #4: COORDINATES THEORY WITH EVIDENCE

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STC #5: GENERATES AND USES ANALOGIES IN CONCEPTUALIZING PHENOMENA

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STC #6-: APPLIES PHYSICAL INTUITION

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STC #7: IDENTIFIES POTENTIAL CAUSAL FACTORS AND GENERATES VARIABLES TO REPRESENT FACTORS

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STC #8: FORMULATES COMPOSITE VARIABLES

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STC #9: REASONING CONCERNING EXTREME CASES

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STC #10: GOAL ORIENTED OBSERVATION

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STC #11: RECORDS OBSERVATIONS

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STC #12: CONSULTS RECORDED NOTES

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STC #13: INNOVATION CONCERNING TASK MATERIALS

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STC #14: SEARCHES FOR A NECESSARY UNDERLYING PRINCIPLE

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STC #15: SEARCHES FOR PARSIMONY

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STC #16: INTERNALLY CONSISTENT IN EXPLANATION

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STC #17: CONCERNED FOR ACCURACY OF LANGUAGE

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STC #18: CONCERNED WITH PRECISION OF MEASUREMENT

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STC #19: IDENTIFIES SOURCES OF ERROR IN TAKING MEASUREMENTS

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STC #20: USES TECHNIQUES FOR PRECISE MEASUREMENT

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STC #21: REACTION TO DISCONFIRMATION

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STC #22: CONCERNED FOR VERIFICATION

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STC #23: CONSIDERS RELATIVE VALUE OF EMPIRICAL EVIDENCE

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STC #24: CONTROLS VARIABLES

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STC #25: MAKES UNSOLICITED PREDICTIONS

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STC #26: USES PREDICTIONS TO TEST HYPOTHESES

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STC #27: USES PROPORTIONAL REASONING

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STC #28: CLASSIFICATION

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STC #29: SERIATION

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