

Science CIA 2

Selected response
multiple choice in
science.

Notes

First... Announcements/Issues

- Science Fair?
- Expectations: Labs, skills, writing
- Curriculum Process, small group, focus on standards, start in Dec. review by group

Quarterly Assessments

- Timeline?
- 1st quarter designed in part by you, given out in Oct, to be given Nov 1-9, due back by Nov. 15... only half back on time?
- Feedback important
- Midterms: 10-15 questions as quarterly assessment, common within a school

Topic of The Day Constructed Response (MC)

- What is the purpose?
- What are the “rules”?
- What makes it good/bad?
- What are some examples?

WHAT thinking are we testing?

- Going Up Bloom's
- Correct word for definition
- Correct explanation for this process
- Correct prediction for event
- BEST explanation
- Evaluation/score a group

What Content are we testing?

- Objective
- Performance Standard

What misconceptions?

Does it test science or test taking?

RULES for MC

- Find the objective
- Frame the question (stem)
- Find the most obvious correct answer
- Create distractors (misconceptions)

Good/Bad

1) Reduce cognitive Load

- Simple stem
- Common choices
- Negatives/ word choice

Good/Bad 2) Reduce “guess”

- Consistent grammar, length
- Plausible distractors
- Limit clues
- Avoid definite words (always, never)
- Avoid opposites
- Avoid giveaways
- WRITE CORRECT ANSWER 1st

Push to Critical Thinking

- Premise-Consequence
- Case Study
- Scenario
- Problem/Solution Evaluation
- Science: Prediction?

Resources

- CAPT Released (from 2nd gen)
- 9th Grade Practice
- AMSCO books
- NAEP test bank (examples included)

YOUR TASK (please)

- Look at the standards (again)
- Remember your identified misconceptions
- Did you bring sample exam questions?
- Use the resources.
- Practice formulating GOOD MC questions
- Leave here or email (by Dec 15)