

***MODULE 6.4***

**CURRICULUM and INSTRUCTION  
THE TEACHING of SCIENCE**

**POSTASSESSMENT**

***Teacher Induction Program***

**Teacher Education Council, Department of Education**

# POSTASSESSMENT

- I. Each of the following questions is followed by four (4) options. Choose the letter of the best answers.
1. Aside from content ,science teaching should also include the teaching of
    - a. process skills and assessment.
    - b. scientific attitudes and social graces.
    - c. process skills and interpersonal skills.
    - d. process skills and scientific attitudes.
  2. Which of the following instruments can determine the learning preferences based on their senses?
    - a. Howard Gardner’s Multiple Intelligences
    - b. Dunn and Dunn Learning Style Inventory
    - c. Kolb’s Learning Style Inventory
    - d. None of the three instruments
  3. In many classrooms today, teachers do too much talking. What learning style predominantly operates in said classrooms?
    - a. Visual
    - b. Kinesthetic
    - c. Collaboration
    - d. Auditory
  4. All of the following should be considered when deciding on what approach to use EXCEPT
    - a. availability of materials and equipment
    - b. kinds of textbooks available for students’ use
    - c. maturity level of the learners
    - d. learning preferences of students

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5. Mr. Campos' topic for the day is about the earth's water supply. His opening statement to his class is "Class, do you know that an iceberg was seen in Manila Bay?" This statement is an example of a (n)
- usual event that happens in Manila
  - sign that Manila is getting colder
  - discrepant event
  - miracle
6. Ms. Santos will teach her class about volume- temperature relationship. She gave the title of the activity and discussed the procedure with the class. Then, she allowed the students to perform the activity. What strategy did she use?
- Inquiry through discrepant event
  - Inquiry through the 5-E Learning cycle
  - Discovery
  - Lecture
7. What type of learning was Mrs. Santos trying to achieve in the situation described in item No. 6?
- Team- based learning
  - Reflective learning
  - Integrative learning
  - Constructivist learning
8. The movie "Erin Brocovich" is about chromium as an environmental contaminant. The teacher asked the question "Is chromium a harmful substance?" Before the final answer to the question was decided on by the class, the teacher allowed the members of the class to express their ideas about the issue. What is this strategy called?
- Panel discussion
  - Buzz session
  - Simulation
  - Brainstorming

9. Which of the following can be considered as a limitation of the discovery method as a strategy in teaching science?
- It develops the child's ability to discover new principles
  - It could be time- consuming
  - It is a great way to motivate students
  - It leads to poor retention and understanding of concepts
10. Which of the following is an observation?
- Oxygen is required to burn a piece of paper
  - Salts produced in Paranaque have big crystals
  - The turning of leaves to red, orange or brown is an indication of high photosynthetic rate
  - Catalytic decomposition occurs when hydrogen peroxide is applied to wounds
11. Before Mrs. Cruz started the Chapter on Biotechnology in his class, she administered a test. Her objective was to get an idea of her students' prior knowledge about the topics included in the chapter. What type of test was it?
- Diagnostic
  - Formative
  - Summative
  - Posttest
12. Mrs. Sarmiento closely monitors the progress of her students by giving a test after each chapter. What kind of assessment is it?
- Diagnostic
  - Formative test
  - Summative test
  - Practical test

13. Which of the following is not included in the 5-E Learning cycle?
- Elaborate
  - Engage
  - Experiment
  - Explain
14. How can you, as science teacher, cater to the differences in your students' learning styles?
- Group students according to their learning preferences
  - Use varied approaches in teaching
  - Conduct interviews among your students
  - Integrate your lessons with real life situations
15. Which of the following approaches will help develop positive interdependence among your students?
- Reflective Teaching
  - 5-E Learning Cycle
  - Inquiry approach
  - Cooperative Learning

II. Below are concepts/ ideas taken from the different lessons in this module. Using concept map, show how these concepts/ ideas are related. **(10 points)**

Science teaching/ learning	Traditional assessment
Content	Performance- based assessment
Process skills	Portfolio assessment
Scientific attitudes	Journal writing
Constructivist approaches	Multiple Choice
Inquiry approach	Matching type
Cooperative Learning	Rubrics
Discovery approach	
Reflective teaching	
Learners learn and develop as a whole person	
Learners learn at different rates	
Learners have different learning styles	
Assessment	

24 – 25 **Excellent (E)**

21 – 23 **Very Satisfactory (VS)**

19 – 20 **Satisfactory Plus (SP)**

17 – 18 **Satisfactory (S)**

15 – 16 **Moderately Satisfactory (MS)**

0 – 14 **Needs Reinforcement (NR)**