ATI TEAS, *Version 7*
Content Outline

TEST NAME: ATI TEAS® *Version 7*

TIME LIMIT: 209 Minutes
Reading = 55 minutes
Math = 57 minutes
Science = 60 minutes
English = 37 minutes

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NUMBER OF SECTIONS: 4

NUMBER OF QUESTIONS: 170

FORMAT: Multiple-choice, multiple-select, fill-in-the-blank numeric, hot spot & ordered response

PURPOSE: The ATI Test of Essential Academic Skills (ATI TEAS®) measures basic essential skills in the academic content area domains of reading, math, science, and English and language usage. The test is intended for use primarily with adult health science program applicant populations. The objectives assessed on ATI TEAS® are those which health educators deemed most appropriate and relevant to measure entry-level academic readiness of health science program applicants.

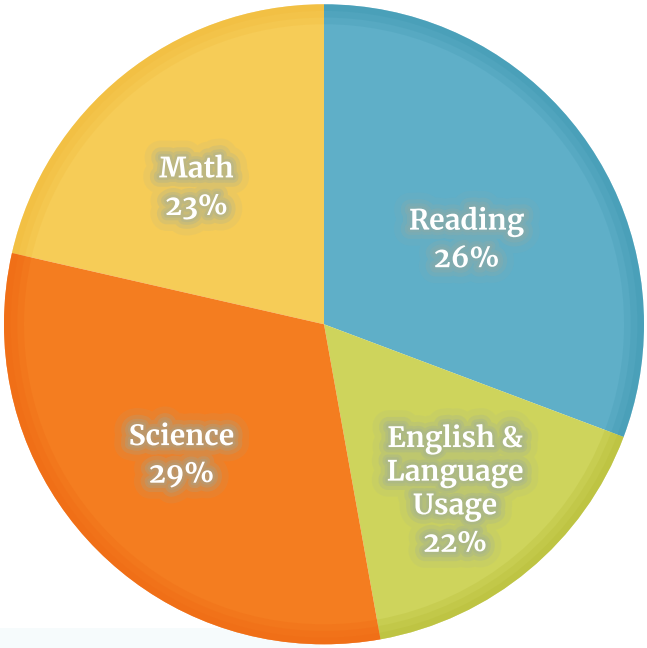
Test questions by content area

Content and Subcontent Areas	Number of Scored Questions	Percent of Test Questions
READING	*39*	*26%*
Key Ideas and Details	15	10%
Craft & Structure	9	6%
Integration of Knowledge & Ideas	15	10%
MATH	*34*	*23%*
Number & Algebra	18	12%
Measurement & Data	16	11%
SCIENCE	*44*	*29%*
Human Anatomy & Physiology	18	12%
Biology	9	6%
Chemistry	8	5%
Scientific Reasoning	9	6%

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Content and Subcontent Areas	Number of Scored Questions	Percent of Test Questions
English & Language Usage	*33*	*22%*
Conventions of Standard English	12	8%
Knowledge of Language	11	7%
Vocabulary Acquisition	10	7%
Total	*150**	*100%*

*There are an additional 20 unscored pretest items distributed proportionally across the four sections.



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ATI TEAS Objectives

The following list contains objectives that may be assessed on the ATI TEAS® Assessment.

CONTENT AREA AND OBJECTIVES

Reading

Section	Objectives
R.1	*Key Ideas and Details*
R.1.1	Summarize a multi-paragraph text.
R.1.2	Make inferences and draw conclusions about a text's purpose and meaning.
R.1.3	Demonstrate comprehension of written directions.
R.1.4	Locate specific information in a text.
R.1.5	Analyze, interpret, and apply information from charts, graphs, and other visuals.
R.1.6	Interpret events in a sequence.
R.2	*Craft and Structure*
R.2.1	Distinguish between fact and opinion to identify misconceptions and biases.
R.2.2	Interpret the meaning of words and phrases using context.
R.2.3	Evaluate the author's purpose in a given text.
R.2.4	Evaluate the author's point of view or perspective in a given text.
R.3	*Integration of Knowledge and Ideas*
R.3.1	Use evidence from the text to make predictions, inferences, and draw conclusions.
R.3.2	Compare and contrast the themes expressed in one or more texts.
R.3.3	Evaluate an argument.
R.3.4	Evaluate and integrate data from multiple sources across various formats,including media.

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English and Language Usage

Section	Objectives
E.1 Conventions of Standard English	
E.1.1	Use conventions of standard English spelling.
E.1.2	Use conventions of standard English punctuation.
E.1.3	Use correct sentence structures.
E.2 Knowledge of Language	
E.2.1	Use grammar to enhance clarity in writing.
E.2.2	Evaluate if language meets the needs of an audience for a provided rhetorical context.
E.2.3	Develop a well-organized paragraph.
E.3 Using Language and Vocabulary to Express Ideas in Writing	
E.3.1	Apply basic knowledge of the elements of the writing process to communicate effectively.
E.3.2	Determine the meaning of words by analyzing word parts.

Science

Section	Objectives
S.1 Human Anatomy and Physiology	
S.1.1	Demonstrate knowledge of the generalorientation of human anatomy.
S.1.2	Describe the anatomy and physiology of the respiratory system.
S.1.3	Describe the anatomy and physiology of the cardiovascular system.
S.1.4	Describe the anatomy and physiology of the digestive system.
S.1.5	Describe the anatomy and physiology of the nervous system.
S.1.6	Describe the anatomy and physiology of the muscular system.
S.1.7	Describe the anatomy and physiology of the male and female reproductive system.
S.1.8	Describe the anatomy and physiology of the integumentary system.
S.1.9	Describe the anatomy and physiology of the endocrine system.
S.1.10	Describe the anatomy and physiology of the urinary system.
S.1.11	Describe the anatomy and physiology of the immune system.
S.1.12	Describe the anatomy and physiology of the skeletal system.

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Section	Objectives
S.2 Biology	
S.2.1	Describe cell structure, function, and organization.
S.2.2	Describe the relationship between genetic material and the structure of proteins
S.2.3	Apply concepts underlying Mendel's laws of inheritance.
S.2.4	Describe structure and function of the basic macromolecules in a biological system.
S.2.5	Describe the role of microorganisms in disease.
S.3 Chemistry	
S.3.1	Recognize basic atomic structure.
S.3.2	Explain the physical properties and changes of matter.
S.3.3	Describe chemical reactions.
S.3.4	Demonstrate how conditions affect chemical reactions.
S.3.5	Understand properties of solutions.
S.3.6	Describe concepts of acids and bases.
S.4 Scientific Reasoning	
S.4.1	Use basic scientific measurements and measurement tools.
S.4.2	Apply logic and evidence to a scientific explanation.
S.4.3	Predict relationships among events, objects, and processes.
S.4.4	Apply the scientific method to interpret a scientific investigation.

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Math

Section	Objectives
M.1 Number and Algebra	
M.1.1	Convert among non-negative fractions, decimals, and percentages.
M.1.2	Perform arithmetic operations with rational numbers.
M.1.3	Compare and order rational numbers.
M.1.4	Solve equations with one variable.
M.1.5	Solve real-world problems using one-or multi-step operations with real numbers
M.1.6	Solve real-world problems involving percentages.
M.1.7	Apply estimation strategies and rounding rules to real-world problems.
M.1.8	Solve real-world problems involving proportions.
M.1.9	Solve real-world problems involving ratios and rates of change.
M.1.10	Solve real-world situations using expressions, equations, and inequalities.
M.2 Measurement and Data	
M.2.1	Interpret relevant information from tables, charts, and graphs.
M.2.2	Evaluate the information in data sets, tables, charts, and graphs using statistics.
M.2.3	Explain the relationship between two variables.
M.2.4	Calculate geometric quantities.
M.2.5	Convert within and between standard and metric systems.

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Sample Questions

READING

The 2,315-mile Missouri River tops this year's list of the "10 Most Endangered Rivers in North America," compiled annually by the conservation group American Rivers. The "Big Muddy" has been dammed, channeled, and diked to the point that one-fifth of the species native to the river and its floodplain are now classified as endangered, threatened, or of special concern, according to American Rivers. The other nine rivers on the list are New York's Upper Hudson, Washington's White Salmon, California's San Joaquin, Wisconsin's Wolf River, Arizona's Pinto Creek and Potomac, Ohio's Mill Creek, the Lower Colorado and the Tennessee River.

The next two questions are based on the passage above.

1. Which of the following may be concluded from the passage?
   a. Wolf River is located in Washington, DC.
   b. Bodies of water with "creek" in their names are not rivers.
   c. The damming, diking, and channeling of a river is detrimental to the organisms that inhabit it.
   d. The rivers of North America have been found to be more endangered than those of South America.

2. A conservation group organizes for which of the following principal purposes?
   a. Collecting data for scientific research
   b. Saving rain forests
   c. Channeling rivers
   d. Preserving nature

MATH

3. Thirty percent of the students in a math class received an "A." If 18 students received an "A," which of the following represents the number of students in the class?
   a. 18
   b. 30
   c. 54
   d. 60

4. A student earns $1,280.50 each month at a part-time job. The student pays the following amounts for expenses each month:

Rent	$350.00
Food	$320.00
Utilities	$215.60
Car expenses	$240.00

After paying the monthly expenses listed above, which of the following represents the amount of money the student has left for other expenses?
   a. $106.70
   b. $154.90
   c. $1,075.60
   d. $1,125.60

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SCIENCE

5. Which of the following is part of the large intestine?
   a. Duodenum
   b. Rectum
   c. Ileum
   d. Jejunum

6. Which of the following is improved when repeated trials of an experiment have consistent results?
   a. Reliability
   b. Validity
   c. Independent variables
   d. Dependent variables

ENGLISH AND LANGUAGE USAGE

7. The doctor said, "I _____ the patient yesterday." Which of the following correctly completes the sentence above?
   a. see
   b. saw
   c. seen
   d. have seen

8. The president truncated the address due to a lack of time. Which word is a synonym for truncated?
   a. Practiced
   b. Misplaced
   c. Shortened
   d. Regretted

SOLUTIONS TO SAMPLE QUESTIONS

Question	Correct Answer
1	C
2	D
3	D
4	B
5	B
6	A
7	B
8	C

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