

FREE PRACTICE / SAVE IT. PRINT IT. WORK THROUGH IT.

Your free ATI TEAS 7 practice test.

20 questions. Space for your answers. Clear explanations when you are ready to check.

20 questions

No account needed

Answers at the end

Make a first attempt before you check.

Use the same question order as the online test. Choose one answer unless instructed otherwise. For select-all-that-apply items, select every correct option; for numeric items, write the number requested. The answer section starts after all 20 questions.

Your answer sheet

01 _____	02 _____	03 _____	04 _____
05 _____	06 _____	07 _____	08 _____
09 _____	10 _____	11 _____	12 _____
13 _____	14 _____	15 _____	16 _____
17 _____	18 _____	19 _____	20 _____

One point per question. Select-all-that-apply questions require the complete correct set; there is no partial credit. A 20-question score is sample accuracy, not an official result or a prediction of passing.

Prefer to answer online? <https://aipreptest.com/free-teas-practice-test/>

This booklet contains the same free sample as the website. It is independent AceltPrep educational material, not an official exam or a substitute for required course materials. Clinical content is for study, not patient-specific instructions.

READING MATERIAL / REFER BACK AS NEEDED

Your reading passages.

Keep these passages available as you answer the referenced questions. Each passage is printed once.

Passage A: A different way to manage runoff

For questions 11, 12.

During heavy rain, water runs off roofs and pavement into storm drains. A rain garden is a shallow planted area that temporarily holds some of that runoff, allowing it to soak into the soil. Native plants can help because their roots create channels in the ground. A town installed rain gardens along one street and recorded less water entering nearby drains during the next three storms. However, those storms were also lighter than the storms measured before installation. The town plans to compare runoff from streets with and without rain gardens during the same future storms.

Passage B: A proposal for evening library hours

For questions 13, 14.

The neighborhood library currently closes at 5 p.m. on weekdays. In a letter to the library board, a resident proposes keeping it open until 8 p.m. twice a week. The resident argues that later hours would help people who work during the day. A survey of 120 current library visitors found that 84 supported the proposal. The library director notes that the survey did not include people who cannot visit during existing hours. Before changing the schedule, the board wants to estimate staffing costs and hear from a broader group of residents.

Passage C: A trail maintenance note

For question 15.

After the storm, volunteers cleared branches from most of the trail. Intermittent closures will continue over the next week as crews repair several short sections. Visitors should check the noticeboard before each walk.

PART 1 / MAKE YOUR OWN ATTEMPT

Questions

Record your choices on the answer sheet. Check the key only after Question 20.

QUESTION 01 / Science

During quiet inhalation, which change causes air to move into the lungs?

- A. The diaphragm relaxes, reducing the volume of the chest cavity.
 - B. The pressure inside the lungs rises above atmospheric pressure.
 - C. The diaphragm contracts, increasing the volume of the chest cavity.
 - D. The abdominal muscles contract, compressing the chest cavity.
-

QUESTION 02 / Science

A disorder damages the villi lining the small intestine. Which effect is most directly expected?

- A. Reduced absorption of digested nutrients
 - B. Reduced production of bile by the small intestine
 - C. Increased mechanical breakdown of food in the stomach
 - D. Increased movement of oxygen into the bloodstream
-

QUESTION 03 / Science

A cell with a membrane permeable to water but not sucrose is placed in a solution with a higher sucrose concentration than the cell interior. All other solute concentrations are the same on both sides. What will initially happen?

- A. Sucrose enters the cell until the concentrations match.
 - B. Water enters the cell, causing it to swell.
 - C. Water moves equally in both directions, with no net movement.
 - D. Water leaves the cell, causing it to shrink.
-

QUESTION 04 / Science

Which changes produce new chemical substances? Select all that apply.

Select all that apply.

- A. An ice cube melts in a glass.
 - B. An iron nail rusts outdoors.
 - C. A sugar cube dissolves in water without reacting.
 - D. A sheet of paper is cut into strips.
 - E. Methane burns in oxygen to form carbon dioxide and water.
-

QUESTION 05 / Science

A student tests whether a fertilizer increases seedling growth. Two groups receive the same light, soil, water, and seed variety. One group receives fertilizer; the other receives none. Why is the group without fertilizer needed?

- A. To ensure that every seedling reaches the same final height
 - B. To provide a baseline for growth without the treatment
 - C. To make fertilizer amount the measured outcome
 - D. To eliminate the need to use several seedlings in each group
-

QUESTION 06 / Math

A backpack originally costs \$80. A store discounts it by 25%, then adds 6% sales tax to the discounted price. What is the final cost?

- A. \$60.00
 - B. \$64.80
 - C. \$63.60
 - D. \$58.80
-

QUESTION 07 / Math

A drink is mixed using 1 part concentrate to 7 parts water. How many milliliters of concentrate are needed to make 800 mL of the finished drink? Enter a number only.

Your answer: _____ mL

QUESTION 08 / Math

Solve for x: $3(2x - 4) = 5x + 7$.

- A. $x = 19$
 - B. $x = -5$
 - C. $x = 7$
 - D. $x = 11$
-

QUESTION 09 / Math

A rectangular floor is 4.5 m long and 3.2 m wide. Each tile covers 0.36 m^2 . Ignoring waste, how many tiles are needed to cover the floor? Enter a whole number.

Your answer: _____ tiles

QUESTION 10 / Math

Five quiz scores are 68, 72, 74, 76, and 100. What is the median score?

- A. 78
 - B. 76
 - C. 72
 - D. 74
-

QUESTION 11 / Reading

Refer to Passage A.

Which statement best expresses the main idea of the passage?

- A. Native plants prevent all rainwater from reaching storm drains.
 - B. Rain gardens may reduce runoff, but the town needs a fairer comparison to evaluate their effect.
 - C. The town has proved that lighter storms cause rain gardens to fail.
 - D. Rain gardens should replace every storm drain in the town.
-

QUESTION 12 / Reading

Refer to Passage A.

Why does the town plan to measure streets with and without rain gardens during the same storms?

- A. To determine whether native plants can grow without roots
 - B. To confirm that every street has the same number of storm drains
 - C. To reduce rainfall differences as an alternative explanation for the runoff results
 - D. To stop runoff measurements once the gardens have been installed
-

QUESTION 13 / Reading

Refer to Passage B.

Which additional evidence would most directly support the claim that later hours would help people who work during the day?

- A. A representative survey showing that daytime workers would use the library between 5 p.m. and 8 p.m.
 - B. An inventory showing that the library owns more books than a nearby branch
 - C. A report showing that the library building was renovated last year
 - D. A list showing that some current visitors prefer printed books to e-books
-

QUESTION 14 / Reading

Refer to Passage B.

Which limitation of the survey is identified in the passage?

- A. It asked participants to choose between printed and electronic books.
 - B. It included only people opposed to evening hours.
 - C. It established the exact staffing cost before the board requested it.
 - D. It excluded residents unable to visit during the current opening hours.
-

QUESTION 15 / Reading

Refer to Passage C.

As used in the passage, what does “intermittent” most nearly mean?

- A. Permanent
 - B. Occurring at intervals
 - C. Unannounced
 - D. Covering the entire trail
-

QUESTION 16 / English & Language Usage

Which word correctly completes the sentence? “Neither the instructors nor the coordinator ___ available after 4 p.m.”

- A. are
 - B. were
 - C. is
 - D. have been
-

QUESTION 17 / English & Language Usage

Which sentence correctly uses a comma after an introductory dependent clause?

- A. Although the laboratory was busy, the technician checked every label.
 - B. Although, the laboratory was busy the technician checked every label.
 - C. Although the laboratory was busy the technician, checked every label.
 - D. Although the laboratory, was busy the technician checked every label.
-

QUESTION 18 / English & Language Usage

Which options are complete sentences rather than fragments? Select all that apply.

Select all that apply.

- A. Because the final report included three errors.
 - B. The reviewer corrected three errors before publication.
 - C. After checking each table in the final report.
 - D. The final report, which included three errors.
 - E. Although three errors remained, the draft was ready for review.
-

QUESTION 19 / English & Language Usage

Which revision preserves the meaning most concisely? “Due to the fact that several responses were missing, the team made the decision to postpone the survey analysis.”

- A. The team postponed the survey analysis, and several responses were missing.
 - B. The team decided that the survey analysis was postponed.
 - C. Because responses were missing from the analysis, the survey was canceled.
 - D. The team postponed the survey analysis because several responses were missing.
-

QUESTION 20 / English & Language Usage

Which phrase correctly means “the schedules belonging to several nurses”?

- A. The nurse’s schedules
 - B. The nurses’ schedules
 - C. The nurses schedules
 - D. The nurses’s schedules
-

PART 2 / CHECK THE REASONING

Answer key & explanations

Match each number to your answer sheet. Then read the explanation, including for any answer you guessed correctly.

Question	Answer	Question	Answer
1	C	11	B
2	A	12	C
3	D	13	A
4	B; E	14	D
5	B	15	B
6	C	16	C
7	100	17	A
8	A	18	B; E
9	40	19	D
10	D	20	B

For numeric questions, the table shows the number only. The full answer below includes the requested unit.

REVIEW / UNDERSTAND THE DECIDING CLUE

Why the answers fit.

1. Breathing mechanics

Correct answer: C. The diaphragm contracts, increasing the volume of the chest cavity.

Inhalation follows the pressure-volume relationship: increasing thoracic volume lowers pressure inside the lungs relative to the outside air. Air then moves down that pressure gradient.

2. Small-intestine structure and function

Correct answer: A. Reduced absorption of digested nutrients

Match a structure to its function: villi and microvilli create a large absorptive surface. Losing that surface most directly impairs nutrient absorption, even if food has been digested normally.

3. Osmosis and membrane transport

Correct answer: D. Water leaves the cell, causing it to shrink.

Osmosis is the net movement of water across a selectively permeable membrane toward the side with the higher concentration of nonpenetrating solute. Here, sucrose stays outside while water leaves the cell.

4. Chemical and physical changes

Correct answer: B. An iron nail rusts outdoors.; E. Methane burns in oxygen to form carbon dioxide and water.

A chemical change forms substances with new chemical identities. Rusting and combustion meet that definition. Melting, cutting, and dissolving without a reaction are physical changes. Select both chemical changes and no others for credit.

5. Experimental controls

Correct answer: B. To provide a baseline for growth without the treatment

A control group provides a comparison without the independent variable being tested. Keeping other conditions the same helps isolate fertilizer as the potential cause of a difference in growth.

6. Successive percentages

Correct answer: C. \$63.60

Apply the percentages in order and to the correct base: $\$80 \times (1 - 0.25) \times (1 + 0.06) = \$63.60$. A discount and a tax cannot simply be added or subtracted as percentages of the original price.

7. Part-to-whole ratios

Correct answer: 100 mL

There are $1 + 7 = 8$ total parts. Each part is $800 \div 8 = 100$ mL, so the concentrate volume is 100 mL. Dividing by 7 would confuse the water-to-concentrate ratio with the total mixture.

8. Linear equations

Correct answer: A. $x = 19$

Use the distributive property on both terms inside the parentheses, then isolate x . Check the solution: $3(38 - 4) = 102$ and $5(19) + 7 = 102$.

9. Area and unit reasoning

Correct answer: 40 tiles

The floor area is $4.5 \times 3.2 = 14.4$ m². Divide by the area per tile: $14.4 \div 0.36 = 40$ tiles. Use area, not the perimeter, because tiles cover a surface.

10. Median of a data set

Correct answer: D. 74

For an odd number of observations, order the data and select the middle observation. A large extreme score changes the mean more than the median, so do not substitute an average calculation.

11. Main idea

Correct answer: B. Rain gardens may reduce runoff, but the town needs a fairer comparison to evaluate their effect.

A main idea should cover the whole passage, not just one detail. The author explains how rain gardens work, then shows why the initial measurements do not yet establish how much difference they made.

12. Supported inference

Correct answer: C. To reduce rainfall differences as an alternative explanation for the runoff results

The passage links lighter later storms to uncertainty about the result. A same-storm comparison addresses that specific limitation. The inference is supported by the stated problem and the proposed next step.

13. Evaluating evidence

Correct answer: A. A representative survey showing that daytime workers would use the library between 5 p.m. and 8 p.m.

Strong supporting evidence should match the claim. Here the claim concerns daytime workers and evening use, so evidence about that group's likely use during those hours is more relevant than general facts about the library.

14. Limits of a source

Correct answer: D. It excluded residents unable to visit during the current opening hours.

Identify the limitation actually stated, rather than inventing a different weakness. Surveying current visitors may leave out some of the people most affected by the existing schedule.

15. Vocabulary in context

Correct answer: B. Occurring at intervals

Use the surrounding details to test a word's meaning. Repairs to short sections over a week support closures that occur at intervals, rather than a single permanent closure.

16. Subject-verb agreement

Correct answer: C. is

With neither...nor joining singular and plural subjects, standard agreement follows the subject nearer the verb. Because coordinator is singular, use is.

17. Punctuating introductory clauses

Correct answer: A. Although the laboratory was busy, the technician checked every label.

An introductory dependent clause cannot stand alone. Place the comma after the complete introductory clause: “Although the laboratory was busy,” followed by the independent clause.

18. Complete sentences and fragments

Correct answer: B. The reviewer corrected three errors before publication.; E. Although three errors remained, the draft was ready for review.

A complete sentence needs at least one independent clause. A dependent clause can be part of a complete sentence, but cannot stand alone. Select the two options that contain independent clauses and no fragments.

19. Clear and concise revision

Correct answer: D. The team postponed the survey analysis because several responses were missing.

Concise revision removes unnecessary words while preserving meaning. Replace “due to the fact that” with because and “made the decision to postpone” with postponed. Keep the distinction between postponement and cancellation.

20. Plural possessives

Correct answer: B. The nurses’ schedules

First form the plural, nurses. Because that plural already ends in s, add only an apostrophe: nurses’. The position of the apostrophe distinguishes several nurses from one nurse.

Review one missed concept, then check it with a fresh question. Full ATI TEAS 7 preparation:
<https://aipreptest.com/exams/ati-teas/>