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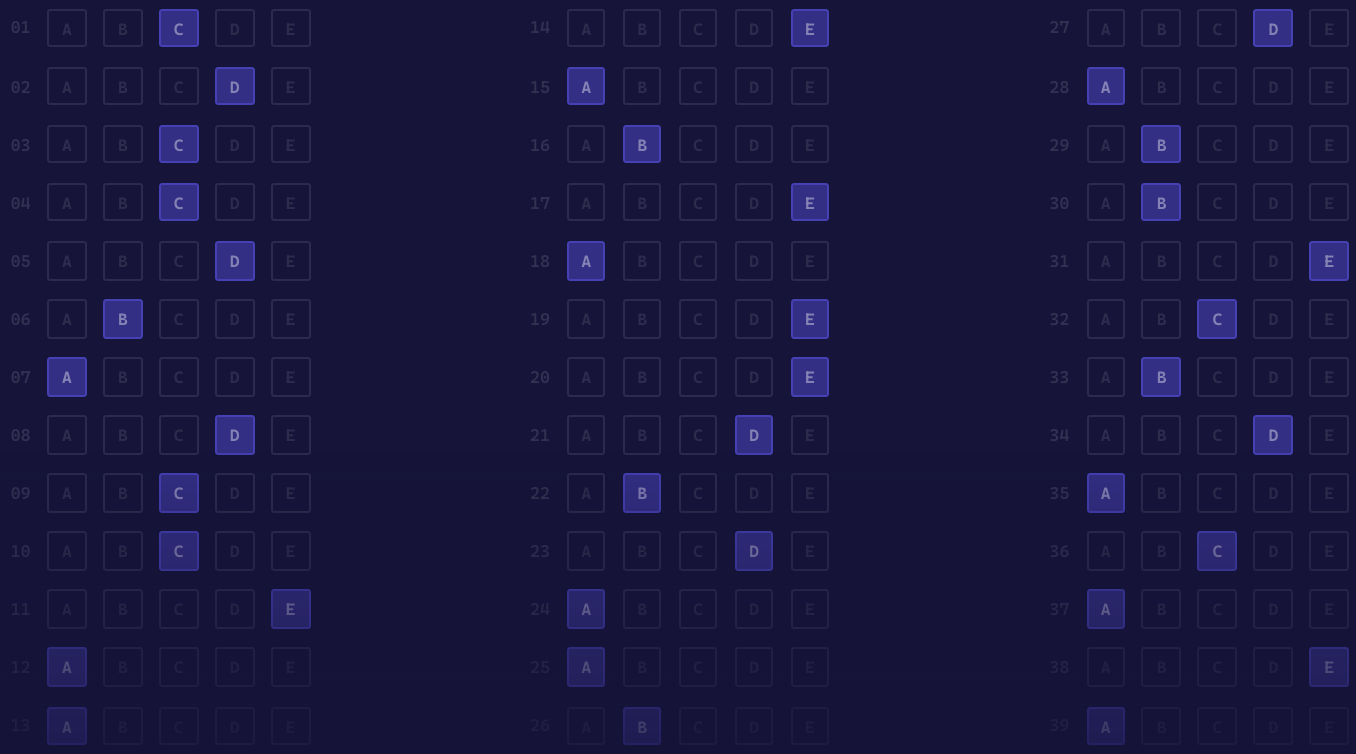

PRACTICE QUESTIONS

ASSESSMENT TECHNOLOGIES INSTITUTE (TEAS)

HRX6U6G9

ATI TEAS^

EDITION	QUESTIONS	FORMAT
Demo	9	Limited Edition PDF

Before you begin

What this is

9 practice questions for ASSESSMENT TECHNOLOGIES INSTITUTE (TEAS) `HRX6U6G9`, each with its answer key and an explanation. Answer a question before you read its key — the explanation is worth more once you have committed.

If something looks wrong

Send us three things and we will check it:

- the exam code, `HRX6U6G9`
- the question number
- the email address on your order

Write to **support@mometrix.net**. We reply within one business day.

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QUESTION 1 MULTIPLE CHOICE

Which two of the following are most likely to be found in the body of an informational passage about cell biology? (Choose two.)

A **A description of how mitochondria generate energy for the cell**

B A step-by-step procedure for isolating mitochondria in a university research lab

C **An explanation of the role of ribosomes in protein synthesis**

D A list of the names of every scientist who has ever studied mitochondria

E A comparison of plant and animal cell structures

ANSWER **A** · **C**

WHY Informational passages typically explain concepts, describe processes, and make comparisons, so descriptions of mitochondrial energy production and the role of ribosomes in protein synthesis are characteristic body-paragraph content. A detailed lab procedure belongs in a scientific manual, an exhaustive historical name list is not the focus of a body paragraph, and a plant-versus-animal cell comparison is more often a feature of a comparison sub-topic but is not the central explanation here.

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QUESTION 2 MULTIPLE CHOICE

A health passage states that drinking enough water each day supports kidney function, joint lubrication, and body-temperature regulation. Which two conclusions are best supported by combining these stated ideas? (Choose two.)

- **A** **Dehydration could affect more than one body system at the same time**
- **B** Drinking water will eliminate the need for any other healthy habit
- **C** The kidneys depend on water only when a person is exercising
- **D** **Body temperature and joint movement can both be influenced by the same daily habit**
- **E** A person who drinks no water cannot survive more than a few hours

ANSWER **A** · **D**

WHY Combining the stated facts shows that water supports multiple unrelated body functions, which supports the conclusion that dehydration could affect several systems simultaneously (A) and that the same habit can influence both temperature and joints (D). B is not stated; C contradicts the passage; E overstates what the passage claims.

QUESTION 3 SINGLE CHOICE

In a passage that explains how vaccines work, the author writes, 'Much like a fire drill prepares people for a real fire, a vaccine prepares the immune system for a real pathogen.' Which term best describes the author's use of the words 'much like'?

- **A** Hyperbole
- **B** **Simile**
- **C** Personification
- **D** Onomatopoeia

ANSWER **B**

WHY A simile is a comparison that uses the words 'like' or 'as' to link two different things. 'Much like' functions the same way as 'like,' making this a simile. Hyperbole is exaggeration, personification gives human qualities to non-human things, and onomatopoeia is a word that imitates a sound.

QUESTION 4 SINGLE CHOICE

A nurse is preparing 250 mL of a solution that must be 40% saline by volume. How many milliliters of pure saline should be used?

A 40 mL

B 60 mL

C 100 mL

D 150 mL

ANSWER C

WHY Multiply the total volume by the percentage expressed as a decimal: 250 mL × 0.40 = 100 mL. The other choices correspond to common calculation errors such as using 40 instead of 0.40, subtracting instead of multiplying, or confusing the part with the whole.

QUESTION 5 SINGLE CHOICE

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

A $x = 2$

B $x = 5$

C $x = 12$

D $x = 17$

ANSWER C

WHY Subtract 2x from both sides to get $x - 7 = 5$, then add 7 to both sides to get $x = 12$. Choice A is a sign error from subtracting instead of adding 7; choice B uses only the constant 5; choice D adds 12 instead of solving correctly.

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QUESTION 6 SINGLE CHOICE

Which chamber of the heart pumps oxygenated blood to the body through the aorta?

A Right atrium

B Right ventricle

C Left atrium

D Left ventricle

ANSWER D

WHY The left ventricle receives oxygenated blood from the left atrium and pumps it out through the aorta to systemic circulation. The right atrium receives deoxygenated blood from the body, the right ventricle pumps blood to the lungs, and the left atrium receives oxygenated blood from the lungs.

QUESTION 7 SINGLE CHOICE

Which of the following is the primary function of the respiratory system?

A Transporting nutrients to cells

B Exchanging oxygen and carbon dioxide between the body and the environment

C Pumping blood to the lungs and body

D Breaking down food into smaller molecules

ANSWER B

WHY The respiratory system's primary function is gas exchange, taking in oxygen and releasing carbon dioxide. Nutrient transport is performed by the circulatory system, pumping blood by the heart, and breaking down food by the digestive system.

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QUESTION 8 SINGLE CHOICE

A researcher wants to test whether a new fertilizer increases plant growth. She gives one group of plants the new fertilizer and another group no fertilizer, keeps all other conditions the same, and measures plant height after two weeks. What is the independent variable in this experiment?

A The type of plant used

B The amount of water given to each plant

C **Whether the plants receive the new fertilizer**

D The height of the plants after two weeks

ANSWER C

WHY The independent variable is the factor the researcher deliberately changes—in this case, whether the plants receive the new fertilizer. Plant height is the dependent variable (the outcome measured), while plant type and watering are controlled variables kept the same for both groups.

QUESTION 9 SINGLE CHOICE

A passage states: 'Although many people believe that cracking knuckles causes arthritis, studies have not supported this belief.' Which statement best summarizes the author's point?

A Cracking knuckles definitely causes arthritis.

B **The belief that cracking knuckles causes arthritis is not supported by evidence.**

C Studies have proven that cracking knuckles is harmful in other ways.

D Everyone should stop cracking their knuckles immediately.

ANSWER B

WHY The author acknowledges a common belief but emphasizes that studies have not supported it, which means the evidence does not back the belief. Choice A contradicts the passage, choice C introduces information not stated, and choice D is an unsupported recommendation.

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