

ATI TEAS 7 Study Guide



SCIENCE

A PDF Guide to the ATI TEAS 7 Science
Test

PREPARING FOR THE TEAS SCIENCE TEST

How do I prepare for the TEAS science test?

To properly prepare for the TEAS Science test, it is crucial that you focus on the key topics within each area of the test. Below you will find extensive lists of these topics, and helpful study strategies for each of them.

TEAS science test structure and timing

You will have 60 minutes to answer the 50 questions on the science section. There are four topics covered on the ATI TEAS 7 science section:

- **Human Anatomy & Physiology:** 18 questions altogether worth 36% of the section.
- **Biology:** 9 questions altogether worth 18% of the section.
- **Chemistry:** 8 questions altogether worth 16% of the section.
- **Scientific Reasoning:** 9 questions altogether worth 18% of the section.
- An additional 6 pretest items that do not count towards your TEAS score.

[Start practicing with the ATI TEAS 7 science pack now!](#)

HOW TO PREPARE FOR:

Human Anatomy and Physiology

Most of the questions on the science section are focused on this topic. Thus, this topic is one you should know thoroughly. When presented with complex terminology and questions, you should be able to confidently know the answer, or at least be able to eliminate the obvious wrong ones and make a reasonable guess at the answer.

Key areas that you must focus on include:

- Endocrine system
- Gastrointestinal or Digestive system
- Immune system
- Integumentary system
- Muscular system
- Nervous system
- Organ systems
- Reproductive system
- Respiratory system
- Skeletal system
- Tissues
- Urinary system
- Cardiovascular system

It is advised that you learn and understand each of the different elements of the human body and how they operate, both independently and collectively. To learn and remember all of this information, use diagrams, rhymes, flashcards, lists, and word association methods to build up your memory banks on the different subjects. TestPrep-Online's TEAS Science practice test can help you do just that.

HOW TO PREPARE FOR:

Biology

This is a new section added to the TEAS 7, replacing the Life & Physical Sciences section on the TEAS 6 (together with the Chemistry section).

Key areas that you need to focus on include:

- **Heredity** - concepts such as Mendel's three laws and dominant and recessive genes.
- **DNA** - concepts such as DNA's structure, chromosomes, replication of DNA, and the differences between DNA and RNA.
- **Mitosis and Meiosis** – the characteristics of each process, such as the cells participating in them, the phases of each process, and their products.
- **Macromolecules** – the role and functions of lipids, proteins, nucleic acids, and carbohydrates.
- **Cellular biology** – concepts such as the cell's structure, the roles of the different organelles, the differences between animal and plant cells and between eukaryotic and prokaryotic cells, and photosynthesis.

HOW TO PREPARE FOR: Chemistry

This is a new section added to the TEAS 7, replacing the Life & Physical Sciences section on the TEAS 6 (together with the Chemistry section).

Key areas that you must focus on include:

- **Atom's structure** – concepts such as protons, electrons, and neutrons, atomic number, mass number, and electrical charge.
- **Chemical reactions** – the factors that affect chemical reactions' speed and outcome, and balancing chemical reactions.
- **Chemical bonds** – the characteristics of Covalent bond, Ionic bond, Hydrogen bond, and Van der Waals forces.
- **Acids and bases** – concepts such as the characteristics of acids and bases, PH scale and Neutralization.
- **Periodic table** – the table's structure and the organization of the rows and columns, and comparison of elements' properties according to their location in the table.
- **States of matter** – concepts such as the three states of matter and the transitions between them, and the characteristics and organization of the molecules in each state.

HOW TO PREPARE FOR:

Scientific Reasoning

This section deals with the basics of science and how it works, and includes questions that require you to use logic to process the information provided.

Key areas that you must focus on include:

- **The scientific method** – identification of a problem, proposition of a question, development of a hypothesis, data collection, data analysis, and conclusion.
- **Measurements and tools** – concepts such as the different SI units and what they measure, and the different lab tools and their function.
- **Experiment's structure** – concepts such as dependent variable, independent variable, experimental group and control group.
- **Data interpretation** – interpreting data from different types of graphs and tables, and identification of a positive or negative correlation (or no correlation) in a graph.
- **Critiquing an experiment** - review of all six steps of the scientific method and the experiment choice and structure, and identification of coincidental correlations.

A FINAL WORD

Our newly updated ATI TEAS 7 practice tests have been launched!

View our practice packs here:

<https://https://www.testprep-online.com/teas-7>

Get Our ATI TEAS 7 Premium Practice Pack!

What's included in the pack:

- Two full-length ATI TEAS practice tests (340 questions)
- 8 additional ATI TEAS Reading exercises (191 questions)
- 5 additional ATI TEAS Math exercises (94 questions)
- 2 additional ATI TEAS Science exercises (32 questions)
- 6 additional ATI TEAS English & Language Usage exercises (120 questions)
- Answers with detailed explanations
- Personalized score reports
- 3 comprehensive study guides
- Secured payment & immediate online access