



ASVAB GENERAL SCIENCE CHECKLIST

Earth and Space Science

- Earth's layers and structure
- Rock cycle and plate tectonics
- Weathering and erosion
- Weather vs. climate
- Atmosphere
- Moon phases and tides
- The solar system

Physical Science

- States of matter
- Atomic structure
- Periodic table
- Chemical and physical changes
- Energy types and conversions
- Laws of thermodynamics
- Wave properties (sound and light)
- Electromagnetic spectrum

Life Science

- Cell structure
- Prokaryotic vs. eukaryotic cells
- Cell membrane and organelles
- DNA structure
- Genetics and heredity
- Mendelian inheritance
- Evolution and natural selection
- Classification of organisms
- Ecosystems
- Photosynthesis
- Cellular respiration
- Human body systems

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ASVAB MATHEMATICS CHECKLIST

Number Theory and Operations

- Order of operations (PEMDAS)
- Fractions (add, subtract, multiply, divide)
- Converting fractions and decimals
- Percentages and percent change
- Ratios and proportions
- Exponents and square roots
- Absolute value
- Factors and multiples
- Rounding and estimation
- Square roots and cube roots
- Number sequences and patterns

Data and Probability

- Mean, median, and mode
- Basic probability
- Interpreting charts and graphs
- Permutations and combinations

Algebra

- Linear equations and inequalities
- Systems of equations
- Polynomials
- Factoring expressions
- Quadratic equations
- Functions and relations
- Word problems with variables

Geometry

- Perimeter and area
- Volume and surface area
- Pythagorean theorem
- Coordinate geometry basics

Applied Mathematics

- Simple and compound interest
- Profit, loss, and discount
- Unit conversion

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ASVAB WORD KNOWLEDGE CHECKLIST

Vocabulary Strategies

- Prefixes, suffixes, and root words
- Compound words
- Synonyms and antonyms
- Connotation vs. denotation
- Homophones

Parts of Speech

- Nouns and pronouns
- Verbs (action, linking, helping)
- Adjectives and adverbs
- Prepositions
- Conjunctions (coordinating and correlative)

General Vocabulary

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| <input type="checkbox"/> Abstain | <input type="checkbox"/> Febrile | <input type="checkbox"/> Pertain |
| <input type="checkbox"/> Accountable | <input type="checkbox"/> Figurative | <input type="checkbox"/> Phlegm |
| <input type="checkbox"/> Adhere | <input type="checkbox"/> Ignorant | <input type="checkbox"/> Potent |
| <input type="checkbox"/> Bilateral | <input type="checkbox"/> Impending | <input type="checkbox"/> Rationale |
| <input type="checkbox"/> Breach | <input type="checkbox"/> Indolent | <input type="checkbox"/> Refrain |
| <input type="checkbox"/> Capital | <input type="checkbox"/> Labile | <input type="checkbox"/> Rigid |
| <input type="checkbox"/> Concave | <input type="checkbox"/> Latent | <input type="checkbox"/> Spasm |
| <input type="checkbox"/> Contingent | <input type="checkbox"/> Lethargic | <input type="checkbox"/> Stringent |
| <input type="checkbox"/> Deficit | <input type="checkbox"/> Milieu | <input type="checkbox"/> Susceptible |
| <input type="checkbox"/> Dilate | <input type="checkbox"/> Obstruct | <input type="checkbox"/> Taciturn |
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| <input type="checkbox"/> Discrete | <input type="checkbox"/> Occlude | <input type="checkbox"/> Triage |
| <input type="checkbox"/> Exacerbate | <input type="checkbox"/> Overt | <input type="checkbox"/> Unseemly |
| <input type="checkbox"/> Exertion | <input type="checkbox"/> Parameter | <input type="checkbox"/> Untoward |
| <input type="checkbox"/> Expectorate | <input type="checkbox"/> Paroxysmal | <input type="checkbox"/> Viscosity |

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ASVAB PARAGRAPH COMPREHENSION CHECKLIST

Core Reading Skills

- Main idea
- Topic sentences
- Supporting sentences
- Summarize a passage
- Conclusion
- Author's purpose
- Tone

Critical Reading

- Fact vs. opinion
- Objective vs. subjective
- Evaluate evidence and reasoning
- Identify assumptions
- Compare viewpoints
- Logical fallacies

Interpretation

- Make logical inferences
- Use context clues
- Draw conclusions
- Identify implied meaning
- Determine word meaning
- Figurative language
- Identify author's bias

Text Structure

- Cause and effect
- Sequence
- Chronological order
- Compare and contrast
- Problem and solution
- Transition words

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Comprehension practice test!



ASVAB ELECTRONICS INFORMATION CHECKLIST

Basic Electricity

- Electric charge and current
- Voltage
- Resistance
- Ohm's law ($V=IR$)
- Power formula ($P=VI$)
- Series and parallel circuits
- AC vs. DC current
- Frequency and period
- Kirchhoff's voltage and current laws

Electrical Systems

- Semiconductors
- Integrated circuits
- Grounding
- Electrical units of measurement
- Generators and motors
- Wiring and insulation types

Electronic Components

- Resistors and color codes
- Capacitors
- Inductors
- Diodes
- Transistors (NPN/PNP)
- Transformers
- Fuses and circuit breakers
- Switches and relays

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ASVAB AUTO & SHOP INFORMATION CHECKLIST

Automotive Systems

- 4-stroke engine cycle
- Engine components
- Ignition system
- Fuel system
- Cooling system
- Lubrication system
- Exhaust system and emissions
- Drivetrain and differentials
- Braking system
- Suspension and steering
- Tires and wheels

Shop Tools and Equipment

- Hand tools and power tools
- Measuring tools
- Fasteners
- Tool safety and PPE

Materials and Construction

- Wood types/grain
- Lumber dimensions and grades
- Joints and fastening methods
- Ferrous vs. non-ferrous
- Welding and soldering basics
- Finishing and painting
- Reading blueprints
- Measurement and layout

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ASVAB MECHANICAL COMPREHENSION CHECKLIST

Physics Principles

- Newton's laws of motion
- Force, mass, and acceleration
- Gravity
- Friction (static and kinetic)
- Work, power, and energy
- Kinetic and potential energy
- Conservation of energy
- Momentum and impulse
- Torque and rotational motion
- Centripetal force

Structural Concepts

- Tension and compression
- Beams, supports, and loads
- Structural stability
- Hooke's law ($F = kx$)
- Heat transfer

Simple Machines

- Levers (1st, 2nd, and 3rd class)
- Pulleys
- Inclined planes
- Wedges
- Screws and threads
- Wheel and axle
- Gears
- Cams and cranks
- Mechanical advantage

Fluid Mechanics

- Liquid pressure
- Pascal's principle (hydraulics)
- Boyle's law (pneumatics)
- Archimedes' principle (buoyancy)
- Bernoulli's principle

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a free ASVAB Mechanical
Comprehension practice test!



ASVAB ASSEMBLING OBJECTS CHECKLIST

Spatial Reasoning

- Mental rotation of 2D and 3D shapes
- Spatial visualization
- Figure-ground (perception)
- Part-whole relationships
- Mirror images/reflections
- Congruent shapes
- Pattern recognition

Shape Relationships

- Match edges that touch
- Identify where pieces connect
- Compare relative part size
- Check corner and side placement
- Distinguish similar-looking distractors
- Spot missing or extra features
- Recognize overlapping features
- Compare interior and exterior lines

Part Orientation/Alignment

- Track edge direction
- Match angle orientation
- Check how parts line up
- Notice when a piece is rotated
- Notice when a piece is flipped
- Compare attachment positions
- Check side-to-side placement
- Follow top/bottom orientation

Final Assembly

- Predict the final outline
- Identify the correct assembled figure
- Visualize how separate parts combine
- Recognize completed shape after rotation
- Recognize completed shape after reflection
- Check that all pieces are accounted for

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ASVAB Test Prep Checklist

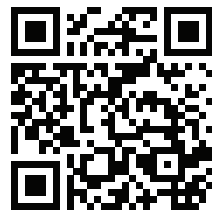
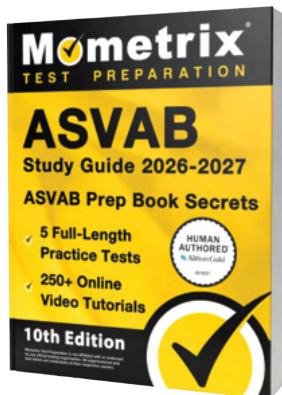
Studying for the ASVAB doesn't have to be a pain. Our comprehensive checklist highlights the key topics you need to know to ace the exam!

Checklists are used all around the world as a vital tool. It's been shown that using a simple checklist can help people like surgeons, astronauts, and pilots minimize errors and increase efficiency in the workplace.

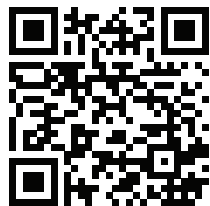
Using a checklist to guide your studying provides a structured and organized way to track your progress and ensure that you are covering all the important information!

Note that this checklist does not cover everything that's on the ASVAB. For a more comprehensive review, visit mometrix.com/academy/asvab-practice-test/.

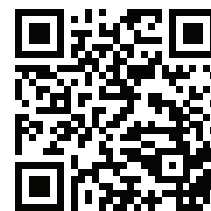
Need more resources? Scan the QR codes below to check out test prep materials from Mometrix that are specifically designed to help you pass the ASVAB!



ASVAB Study Guide








ASVAB Flashcards



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