

PRACTICE TEST ANSWER KEY

Grade 4 English & Spanish Science



Item Number	Key	Standards
1	A	04.I.I.II.01 Scientific Thinking and Practice: Content Standard I: Benchmark II: Performance Standard 1: Communicate ideas and present findings about scientific investigations that are open to critique from others.
2	B	04.II.II.II.02 Content of Science: Content Standard II: Life Science: Benchmark II: Performance Standard 2: Know that a change in physical structure or behavior can improve an organism's chance of survival (e.g., a chameleon changes color, a turtle pulls its head into its shell, a plant grows toward the light).
3	C	04.II.III.I.01 Content of Science: Content Standard III: Earth and Space Science: Benchmark I: Performance Standard 1: Understand that the number of stars visible through a telescope is much greater than the number visible to the naked eye.
4	CR-2	04.I.I.I.02 Scientific Thinking and Practice: Content Standard I: Benchmark I: Performance Standard 2: Differentiate observation from interpretation and understand that a scientific explanation comes in part from what is observed and in part from how the observation is interpreted.
5	CR-2	04.II.III.II.03 Content of Science: Content Standard III: Earth and Space Science: Benchmark II: Performance Standard 3: Know that local weather information describes patterns of change over a period of time (e.g., temperature, precipitation symbols, cloud conditions, wind speed/direction).
6	CR-4	04.II.III.II.01 Content of Science: Content Standard III: Earth and Space Science: Benchmark II: Performance Standard 1: Know that the properties of rocks and minerals reflect the processes that shaped them (i.e., igneous, metamorphic, and sedimentary rocks).
7	A	04.II.II.III.02 Content of Science: Content Standard II: Life Science: Benchmark III: Performance Standard 2: Recognize that the human body is organized from cells, to tissues, to organs, to systems, to the organism.
8	A	04.I.I.III.03 Scientific Thinking and Practice: Content Standard I: Benchmark III: Use mathematical skills and vocabulary to analyze data, understand patterns and relationships, and communicate findings. Identify simple mathematical relationships in a scientific investigation (e.g., the relationship of the density of materials that will or will not float in water to the density of water).
9	C	04.II.I.I.03 Content of Science: Content Standard 1: Physical Science: Benchmark I: Performance Standard 3: Know that the mass of the same amount of material remains constant whether it is together, in parts, or in a different state.
10	CR-2	04.II.I.II.04 Content of Science: Content Standard 1: Physical Science: Benchmark II: Performance Standard 4: Demonstrate how electricity flows through a simple circuit (e.g., by constructing one).
11	CR-2	04.II.II.III.01 Content of Science: Content Standard II: Life Science: Benchmark III: Performance Standard 1: Know that the human body has many parts that interact to function as systems (e.g., skeletal, muscular) and describe the parts and their specific functions in selected systems (e.g., the nose, lungs, and diaphragm in the respiratory system).

■ = Written response

Practice Test Answer Key • Grade 4 Science

Item Number	Key	Standards
12	CR-4	04.II.II.II.03 Content of Science: Content Standard II: Life Science: Benchmark II: Performance Standard 3: Describe how some living organisms have developed characteristics from generation to generation to improve chances of survival (e.g., spines on cacti, long beaks on hummingbirds, good eyesight on hawks).
13	C	04.I.I.III.02 Scientific Thinking and Practice: Content Standard I: Benchmark III: Performance Standard 2: Use mathematical equations to formulate and justify predictions based on cause-and effect relationships.
14	D	04.II.I.III.01 Content of Science: Content Standard 1: Physical Science: Benchmark III: Performance Standard 1: Know that energy can be carried from one place to another by waves (e.g., water waves, sound waves), by electric currents, and by moving objects.
15	B	04.I.I.I.03 Scientific Thinking and Practice: Content Standard I: Benchmark I: Performance Standard 3: Conduct multiple trials to test a prediction, draw logical conclusions, and construct and interpret graphs from measurements.
16	B	04.II.III.I.01 Content of Science: Content Standard III: Earth and Space Science: Benchmark I: Performance Standard 1: Understand that the number of stars visible through a telescope is much greater than the number visible to the naked eye.
17	CR-4	04.III.I.I.01 Science and Society: Content Standard I: Benchmark I: Performance Standard 1: Know that science has identified substances called pollutants that get into the environment and can be harmful to living things.
18	C	04.II.III.II.01 Content of Science: Content Standard III: Earth and Space Science: Benchmark II: Performance Standard 1: Know that the properties of rocks and minerals reflect the processes that shaped them (i.e., igneous, metamorphic, and sedimentary rocks).
19	A	04.II.II.I.04 Content of Science: Content Standard II: Life Science: Benchmark I: Performance Standard 4: Describe the components of and relationships among organisms in a food chain (e.g., plants are the primary source of energy for living systems).
20	D	04.II.I.I.03 Content of Science: Content Standard 1: Physical Science: Benchmark I: Performance Standard 3: Know that the mass of the same amount of material remains constant whether it is together, in parts, or in a different state.
21	CR-2	04.I.I.II.01 Scientific Thinking and Practice: Content Standard I: Benchmark II: Performance Standard 1: Communicate ideas and present findings about scientific investigations that are open to critique from others.
22	CR-2	04.III.I.I.04 Science and Society: Content Standard I: Benchmark I: Performance Standard 4: Know that both men and women of all races and social backgrounds choose science as a career.