

# SCIENCE TEST

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SCORE \_\_\_\_\_

PERIOD \_\_\_\_\_

You have to decide which one of the suggested answers is correct. Indicate your choice on the answer sheet. Please do not make any marks on this paper.

1. The approximate mass of a nickel is
  - (1) 0.0005 kg
  - (2) 0.005 kg
  - (3) 0.5 kg
  - (4) 5 kg
2. Which pair of units measures the same quantity?
  - (1) kilogram and kilocalorie
  - (2) kilocalorie and degree
  - (3) joule and kilocalorie
  - (4) degree and joule
3. Which measurement of an average classroom door is closest to 1 m?
  - (1) thickness
  - (2) width
  - (3) height
  - (4) surface area
4. What is the approximate thickness of one sheet of paper?
  - (1)  $10^1$  m
  - (2)  $10^0$  m
  - (3)  $10^{-2}$  m
  - (4)  $10^{-4}$  m
5. The maximum time allowed for the completion of a 120-questions physics exam is approximately
  - (1)  $10^2$  s
  - (2)  $10^3$  s
  - (3)  $10^4$  s
  - (4)  $10^5$  s

6. The mass of a physics textbook is closest to
  - (1)  $10^3$  kg
  - (2)  $10^1$  kg
  - (3)  $10^0$  kg
  - (4)  $10^{-2}$  kg
7. What is the approximate width of a person's little finger?
  - (1) 1 m
  - (2) 0.1 m
  - (3) 0.01 m
  - (4) 0.001 m
8. What is the approximate mass of a pencil?
  - (1)  $5.0 \times 10^{-3}$  kg
  - (2)  $5.0 \times 10^{-1}$  kg
  - (3)  $5.0 \times 10^0$  kg
  - (4)  $5.0 \times 10^1$  kg
9. Which is a derived unit?
  - (1) meter
  - (2) second
  - (3) kilogram
  - (4) newton
10. Which is the most likely mass of a high school student?
  - (1) 1 kg
  - (2) 5 kg
  - (3) 60 kg
  - (4) 250 kg
11. The approximate height of a 12-ounce can of root beer is
  - (1)  $1.3 \times 10^{-3}$  m
  - (2)  $1.3 \times 10^{-1}$  m
  - (3)  $1.3 \times 10^0$  m
  - (4)  $1.3 \times 10^1$  m
12. The length of a high school physics classroom is probably closest to
  - (1)  $10^{-2}$  m
  - (2)  $10^{-1}$  m
  - (3)  $10^1$  m
  - (4)  $10^4$  m

This exam was created with information from the New York State Department of Education, and the NY Regents Physics Exams. It includes selected questions from many exams that were given before the year 2020. The website link is: <https://www.nysedregents.org/physics/>

The exam was put together by Ceres-Science, to help physics and chemistry students become better problem solvers.

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