

PHYSICS 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.

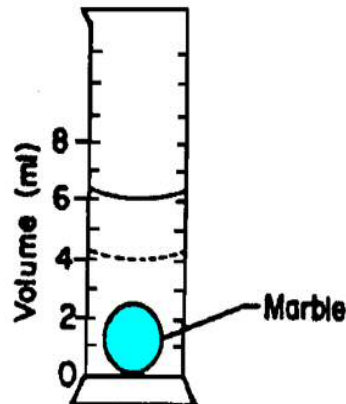
1. Which term is a unit of volume?

(1) m (3) m^3
(2) m^2 (4) m^4

2. The length of the line at the right is closest to one A — B

(1) millimeter
(2) centimeter
(3) meter
(4) kilometer

3. The graduated cylinder shown below is filled to the dashed line with water. A marble is then placed in the cylinder and the water level rises to the solid line as shown in the diagram. What is the volume of the marble?



(1) 6 ml (3) 8 ml
(2) 2 ml (4) 4 ml

4. The mass of a high school football player is approximately
- (1) 10^0 kg (3) 10^2 kg
(2) 10^1 kg (4) 10^3 kg
5. The mass of 100 paper clips is measured at 52.3 grams. The mass of a single paper clip from this group would be closest to
- (1) 523 g (3) 0.523 g
(2) 5.23 g (4) 0.0523 g
6. What is the approximate diameter of a dinner plate?
- (1) 0.0025 m (3) 0.25 m
(2) 0.025 m (4) 2.5 m
7. If 10 cubic centimeters of a liquid has a mass of 70 grams, what is its density?
- (1) 0.7 g/cm^3 (3) 70 g/cm^3
(2) 7 g/cm^3 (4) 700 g/cm^3
8. Which of the following might be measured in square meters?
- (1) the length of a pendulum string
(2) the volume of an atom
(3) the mass of a book
(4) the area of a desk top

9. Which term represents a fundamental unit?

- | | |
|------------|-----------|
| (1) watt | (3) joule |
| (2) newton | (4) meter |

10. A distance of 4,000 meters is equal to

- | | |
|--------------------|---------------------|
| (1) 400 kilometers | (3) 400 centimeters |
| (2) 4 kilometers | (4) 4 centimeters |

11. The diameter of a United States Penny is closest to

- | | |
|-----------------|-----------------|
| (1) 10^0 m | (3) 10^{-2} m |
| (2) 10^{-1} m | (4) 10^{-3} m |

12. A mass of 1 kilogram of nickels has a monetary value in United States dollars of approximately

- | | |
|------------|---------------|
| (1) \$1.00 | (3) \$10.00 |
| (2) \$0.10 | (4) \$1000.00 |

13. The length of a high school physics classroom is probably closest to

- | | |
|-----------------|--------------|
| (1) 10^{-2} m | (3) 10^1 m |
| (2) 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 students become better problem solvers.
www.ceressoft.net