

Name: \_\_\_\_\_

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1. The thickness of a pencil is closest to  
A) 1 mm   B) 1 cm   C) 1 m   D) 1 km
  
2. What is the approximate width of a person's little finger?  
A) 1 m                      B) 0.1 m  
C) 0.01 m                  D) 0.001 m
  
3. Which measurement is closest to  $1 \times 10^{-2}$  meter?  
A) diameter of an atom  
B) width of a student's finger  
C) length of a football field  
D) height of a schoolteacher
  
4. The approximate length of an unsharpened No. 2 pencil is  
A)  $2.0 \times 10^{-2}$  m              B)  $2.0 \times 10^{-1}$  m  
C)  $2.0 \times 10^0$  m                D)  $2.0 \times 10^1$  m
  
5. The approximate height of a 12-ounce can of root beer is  
A)  $1.3 \times 10^{-3}$  m              B)  $1.3 \times 10^{-1}$  m  
C)  $1.3 \times 10^0$  m                D)  $1.3 \times 10^1$  m
  
6. A round dinner plate has a diameter closest to  
A)  $2 \times 10^{-2}$  m              B)  $2 \times 10^{-1}$  m              C)  $2 \times 10^0$  m              D)  $2 \times 10^1$  m
  

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<li>7. The height of an individual step on a staircase is closest to A) <math>2.0 \times 10^{-2}</math> m              B) <math>2.0 \times 10^{-1}</math> m C) <math>2.0 \times 10^0</math> m                D) <math>2.0 \times 10^1</math> m</li>	<li>8. A reasonable height for a chalk tray above the floor is closest to A) 1 cm                          B) 10 cm C) 100 cm                      D) 1,000 cm</li>
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9. Which measurement of an average classroom door is closest to 1 meter?

- A) thickness                      B) width  
C) height                         D) surface area

10. The diameter of an automobile tire is closest to

- A)  $10^{-2}$  m                      B)  $10^0$  m  
C)  $10^1$  m                       D)  $10^2$  m

11. The height of a typical kitchen table is approximately

- A)  $10^{-2}$  m                      B)  $10^0$  m  
C)  $10^1$  m                       D)  $10^2$  m

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

- A)  $10^{-2}$  m                      B)  $10^{-1}$  m  
C)  $10^1$  m                       D)  $10^4$  m

13. The height of a 30-story building is approximately

- A)  $10^0$  m   B)  $10^1$  m   C)  $10^2$  m   D)  $10^3$  m

14. What is the approximate mass of a chicken egg?

- A)  $1 \times 10^1$  kg                      B)  $1 \times 10^2$  kg  
C)  $1 \times 10^{-1}$  kg                      D)  $1 \times 10^{-4}$  kg

15. The mass of a physics textbook is closest to

- A)  $10^3$  kg                         B)  $10^1$  kg  
C)  $10^0$  kg                         D)  $10^{-2}$  kg

16. What is the approximate mass of an automobile?

- A)  $10^1$  kg                         B)  $10^2$  kg  
C)  $10^3$  kg                         D)  $10^6$  kg