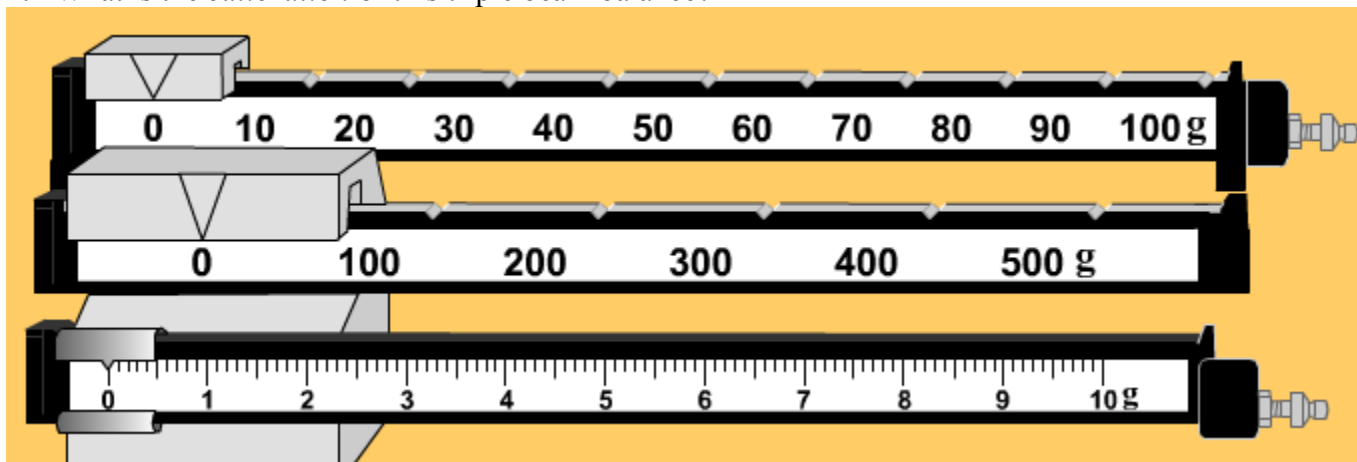


## Quiz #6

*Directions:* For each of the following, choose the letter of the MOST CORRECT answer and place it onto your scantron sheet.

**DO NOT MAKE ANY MARKS ON THESE PAGES!**

1. What is the *calibration* of this triple beam balance?



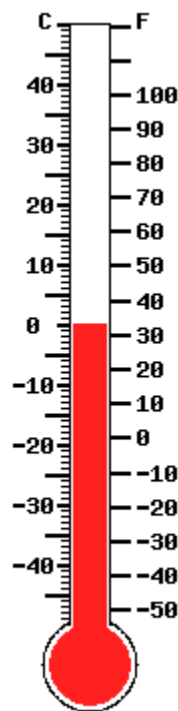
- A. 10.0 g  
B. 1.0 g  
C. 0.1 g  
D. 0.01 g  
E. 0.001 g
2. What is the *correct reading* of this thermometer?
- A. 22 °C  
B. 21 °C  
C. 20.5 °C  
D. 21.0 °C  
E. 21.00 °C
3. For this same thermometer, what is its *calibration*?
- A. 10 °C  
B. 1 °C  
C. 0.1 °C  
D. 0.01 °C  
E. 0 °C



4. What is the typical *ambient temperature* of the lab room?
- A. 0 °C
  - B. 10 °C
  - C. 23 °C
  - D. 57 °C
  - E. 72 °C

5. What is the *correct reading* of this thermometer?
- A. 0 °C
  - B. 0.0 °C
  - C. 0.000 °C
  - D. -10 °C
  - E. 0 °F

6. According to this thermometer ...
- A. 0 °F = -21 °C
  - B. 0 °C = 34 °F
  - C. 100 °F = -40 °C
  - D. -40 °C = -40 °F
  - E. 30 °C = 80 °F



7. A characteristic that can be *observed or measured without changing the sample's composition* is a:
- A. chemical property
  - B. physical property
  - C. gaseous property
  - D. crystalline property
  - E. novus property
8. Which of the following is *NOT* a *chemical change*?
- A. water freezes
  - B. iron rusts
  - C. magnesium is placed into hydrochloric acid and hydrogen gas is produced
  - D. wood burns
  - E. milk spoils
9. The form of matter that has a *fixed shape* and occupies a *fixed volume* is a:
- A. plasma
  - B. gas
  - C. solid
  - D. liquid

10. Which of the following is a *pure substance*?
- A. oxygen gas
  - B. salt (sodium chloride)
  - C. sugar water
  - D. all of the above are pure substances
  - E. only oxygen gas and salt (sodium chloride) are pure substances
11. Which of the following is written is the *last naturally occurring element*?
- A. lawrencium
  - B. uranium
  - C. meitnerium
  - D. radon
  - E. thorium
12. Which of the following is *NOT* one of the diatomic elements?
- A. Nitrogen
  - B. Oxygen
  - C. Helium
  - D. Bromine
  - E. Astatine
13. What is the name of the physical change of state where a *solid turns to gas*:
- A. evaporation
  - B. sublimation
  - C. deposition
  - D. melting
  - E. freezing
14. Which of the following is a *compound*?
- A. water
  - B. neon
  - C. steel
  - D. crude oil
  - E. astatine
15. What is the name of the element found in *group 6 period 4*?
- A. seaborgium
  - B. tellurium
  - C. chromium
  - D. molybdenum
  - E. hafnium