

NAME:

PERIOD:

DATE:

MASS & WEIGHT QUICK REVIEW

Answer all questions as best you can. Use your notes to help. Be specific. Be scientific.

1. If a person goes from Earth to the Moon, which of these is true. (Choose one.)

- A. Mass changes because of the change in gravity. Weight doesn't change.
- B. Weight stays the same because the person is made of the same amount of atoms.
- C. Weight changes because gravity has changed. Mass remains the same.
- D. Both A & C are correct

2. When using a triple beam balance, we set the weights to the "zero" position so...

- A. that we can wipe off the pan.
- B. we can calibrate the balance correctly.
- C. that the balance will become calibrated.
- D. all of these.

3. "The actual atoms that an object is made of," is a definition of which of these words. Pick one.

- A. matter
- B. volume
- C. mass

4. "Tells how heavy an object is," is not a good definition for mass and weight because...

- A. Ah, it *is* a good definition of both of them.
- B. It is incorrect. They tell how much space (capacity) an object takes up or can hold.
- C. It doesn't show the difference between the two.
- D. none of these is a correct answer.



Mr. Krall gets more buff.



5. The larger an object's mass is...

- A. the more atoms or parts of atoms it is made of
- B. the more space it takes up
- C. the higher its temperature

6. Pounds is a(n) Imperial or Metric unit (label)? (Circle the correct one.)

7. True or False. Both mass and weight use the same labels (units.) (Circle True or False.)

8. Geraldine weighs 108 pounds. The gravity in her spaceship goes off. Now she weighs _____.

9. To **immediately** get your mass to increase (make it go up) you could...

- A. turn up the gravity
- B. eat a bag of M&M's
- C. stretch yourself out
- D. both B & C would work

10. To **immediately** decrease (make it go down) your weight you could...

- A. turn down the gravity
- B. not eat a bag of M&M's
- C. stretch yourself out
- D. both A & B would work