Name_____ Section_____ Date _____

Concept Quick Check Unit 1. A – Ms. White 8th Grade Science

Directions: read the following questions or phrases and circle the answer or answers that bests completes them.

1. In the formula $v = v_0 + at$, the "v" represents
   a. Vector b Vitality c Void d. Velocity
2. When using the s= d/t formula, "s" represents
   a. average speed b speed c. instantaneous speed d. final speed
3. In most formulas time(t) is normally measured in terms of
   a. Minutes b hours c seconds d years
4. The difference between distance and displacement is
   a. Distance measures how far you traveled, displacement measures how far you still need to go.
   b. Distance measures how far you moved, displacement measures how far you moved from your start.
   c. Distance measures how far you moved, displacement measures how close you are to finishing.
   d. Distance measures how far you moved from your start, displacement measures how far you moved altogether.

5. All of the following except one are scalars, please indicate which is not a scalar.
   a. time b. velocity c. distance d. speed

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6. Final velocity is

a. the ending speed b the highest speed

c the average speed d. general speed

7. The difference between mass and weight is

a. Mass is the measure of size and weight is the measure of matter of an object

b. Mass is the measure of particles and weight is the measure of the gravitational force on a object

c. Mass is the measure of gravitational force and weight is the measure of size of an object.

d. Mass is the measure of both particles and size while weight is the measure of strength of an object. \

8. Acceleration measures the

a. changes in speed b. average speed

c. final speed d. the number of changes

9. Final velocity can be represented by

a. fv b. v c end-v d v_f

10. When calculating acceleration of vertical motion "a" will always

a.increase speed b.decrease speed c.equal gravity d.equal velocity

11. Initial velocity can be represented by

a. v b. v_0 c. v_i d. iv

12. When calculating acceleration in a free fall "a" is always

a. $0m/s^2$ b. $9.81m/s^2$ c. $2s/m/s^2$ d. $9s/m/s^2$

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