____ 21. Which of these is an example of deceleration?
a. a bird taking off for flight
b. a baseball released by a pitcher
c. a car approaching a red light
d. an airplane following a straight flight path

____ 22. The moon accelerates because it is
a. in a vacuum in space.
b. continuously changing direction.
c. a very large sphere.
d. constantly increasing its speed of orbit.

____ 23. If velocity is measured in kilometers per hour and time is measured in hours, the unit of acceleration is
a. hours.
b. kilometers per hour.
c. kilometers per hour per hour.
d. kilometers.

____ 24. To **determine the acceleration** rate of an object, you must **calculate the change in velocity** (ending velocity - beginning velocity) and divided by
a. speed.
b. time.
c. motion.
d. deceleration.

Modified True/False

Use the drop down tro indicate whether the sentence or statement is true or false. If false, Drag and Drop to make the false statement true.

WORD BANK: (Answers with numbers are not in the word bank)

acceleration **speed** **not moving** **planet** **distance** **constant**

____ 25. Motion is measured relative to a reference point. _____

____ 26. A person standing on a moving escalator is moving relative to another person standing on the escalator. _____

____ 27. A cyclist travels 20 km in half an hour. Her average speed is 10 km/h.
_____**km/hr**

____ 28. If one toy car is traveling at 10 cm/s and another toy car is moving at 10 cm/s in the opposite direction, both cars have the same velocity. _____

____ 29. A child riding on a merry-go-round is accelerating because his direction is changing.
_____

____ 30. The SI unit of velocity is the meter per second per second. _____

LIVEWORKSHEETS