

Physical science WS # _____

Name: _____

Period: _____ Date: _____

REVIEW WORKSHEET – SPEED, VELOCITY, ACCELERATION

Speed and velocity

1. Define speed.
2. Define velocity
3. What is the formula for speed or velocity?
4. What is the unit of speed, if distance is in meters and time is in minute?
5. What is the speed of a truck that travels 10 km in 10 minutes?
6. What distance is traveled by a police car that moves at a constant speed of 1.5 km/minute for 5.0 minutes?
7. What is the average speed of a commercial jet that travels from New York to Los Angeles (4800 km) in 6.00 hours?
8. A comet is cruising through the solar system at a speed of 50,000 kilometers per hour for 4 hours time. What is the total distance traveled by the comet during this time?
9. How much time does it take for a bird flying at a speed of 45 miles per hour to travel a distance of 1,800 miles?

Acceleration

10. Define acceleration.

11. If velocity is in m/s and time is in sec, what is the unit of acceleration

12. Write the formula for acceleration.