

SPEED notes

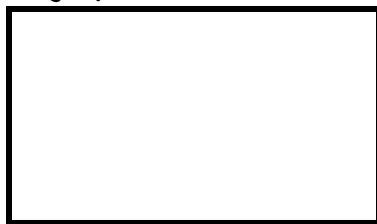
- How do we know that an object has moved?

Hypothesis: _____

- An object is moving if its _____ changes.
 - Ex. A horse galloping changes position as it runs.
- An object changes position if its _____ changes.
- The background is called a _____.
- Some objects move _____ than others.
- Speed describes how _____ an object moves.
- The speed of an object can be compared to the speed of another object.

Ex. a flying eagle moves faster than a crawling turtle.

- Speed measurements involve distance (_____) and time.
- To find speed, you must measure two quantities: _____ traveled by an object and the _____ it takes to travel that distance.
- Formula for finding speed:



- The SI unit for speed is meters per second (_____).
- Speed is sometimes expressed in other units: km/h or mi/hr
- When an object covers equal distances in equal amounts of time, it is moving at a _____ speed.
 - Ex. A car can have a constant speed of 96 m/s.
- Most objects _____ move with a constant speed.
- Suppose a wheel chair racer finishes a 132 m race in 18 s. What is the racer's average speed?