Chapter 11.1-11.2 Motion/Acceleration



<text><section-header><section-header><list-item>



Speed

- ► To describe motion you discuss <u>speed</u>
- Speed is the <u>distance</u> an object travels per unit of <u>time</u>
- Constant speed-A moving object that doesn't change it's speed.
- Average speed-total distance traveled per total time it took.
 - Speed is usually <u>NOT CONSTANT</u>

Constant speed or average speed?

- 1. Track Race
- 2. Walking with a friend
- 3. Hiking up and down a hill



Calculating Speed

- To calculate its speed you divide the distance it travels by the time it travels
- Speed (S) = distance traveled (d) / the amount of time it took (t).

S = d/t

Units for speed

- Depends, but will always be a distance unit / a time unit
 - ► Cars: mi/h
 - ▶ Jets: km/h
 - ▶ Snails: cm/s
 - Falling objects m/s





















