

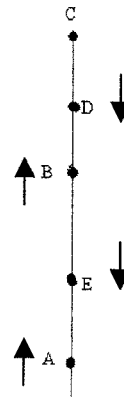
THROWING A BALL

VERTICALLY

Matt throws a baseball straight up in the air and catches it as it comes down.

Think about 5 points along the path of the ball:

- A and B on the way up,
- C the highest point it reaches,
- D and E on the way down.



1) In each box below draw a line with an arrowhead to represent the velocity of the ball.

Represent the velocities using:

- The same scale for all velocities
- As large a scale as possible to highlight the relative sizes, and
- 0 if the velocity is zero.

Velocity at A

velocity at B

velocity at C

velocity at D

velocity at E

2) In each box below draw a line with an arrowhead to represent acceleration of the ball.

Use similar conventions to those in the shaded box above.

Acceleration at B

acceleration at C

acceleration at D