Cycle 4 Basic Forces Assessment

Deeper Understanding

Try as many as you like. For a DU on the real one: Two fully correct or fixable.



2. Sketch a realistic situation where the net forces and motions shown are correct.

Include 2 forces in the y-direction and 3 forces in the x-direction.

Make sure to diagram the forces.





3. A ball was dropped from a height a few seconds ago. The drag and weight are shown on the force diagram right now.

a) What is happening to the ball's speed right now?

b) If you were to check back a second later, what would change?

c) If you were to check back a second later, what would be the same?

d) What would happen to the net force?

4. It's Greek Legends vs Legends of WWF Wrestling!

Make an argument about who is most likely to win. (Show calculations.)

Suggest a change to one of the numbers that would be likely to prolong the contest.

