



Physics in flight

Draw a free body diagram of the following scenarios:	Are the forces balanced or unbalanced? Explain:	
<p>A haul truck has driven down to the mine and is waiting to be filled.</p> 		
<p>A haul truck has been filled with rock and coal. It is accelerating to drive out of the mine.</p> 		

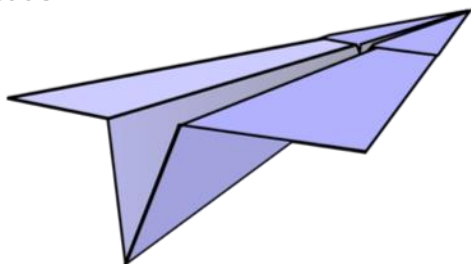
Draw a free body diagram of the following scenarios:

Are the forces balanced or unbalanced?
Explain:

A drone is being deployed to survey an area being rehabilitated.



A paper plane is being thrown in a paper plane competition



When considering the free body diagrams for airplanes and drones, what is the main difference between the forces?