G – How do forces determine the motion of objects?

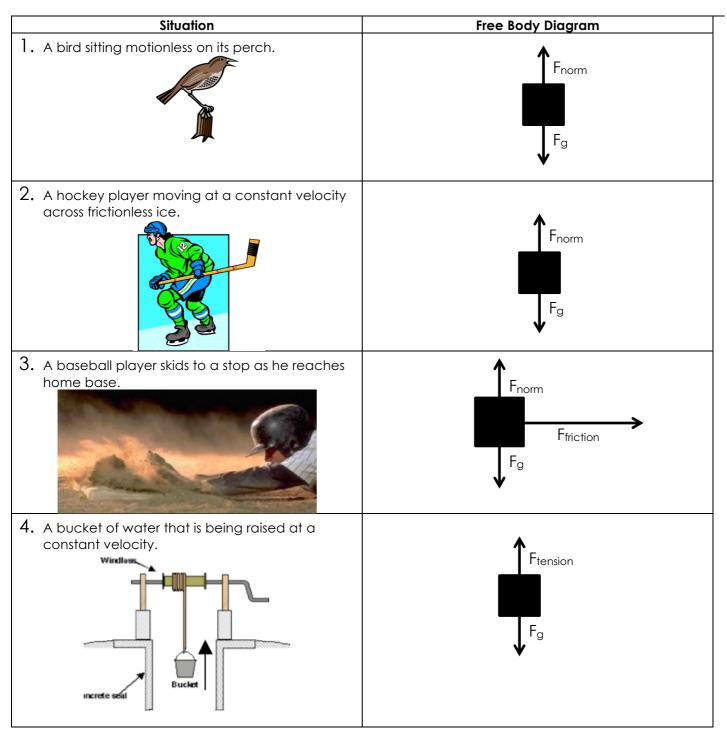
Complete the chart...

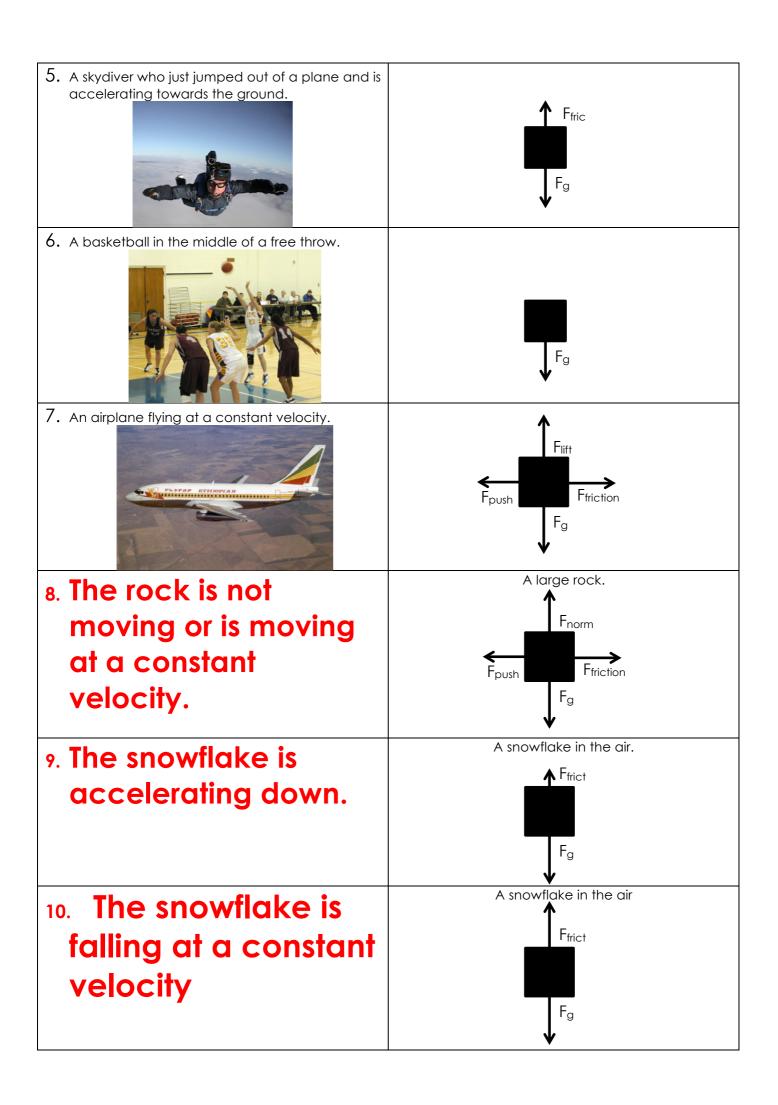
By the end of this activity, you should be able to...

- describe the motion of an object from its free body diagram.



- Tip 1: Train your brain to look at left/right separately from up/down
- Tip 2: Longer arrows = larger force!
- Tip 3: Balanced forces = no change (stays still or continues at constant velocity)
- Tip 4: Unbalance forces = acceleration in the direction of the net force.





11. The airplane is landing (slowing down and falling down)	An airplane. Flift Foush Ffriction Fg		
12. The player is accelerating to the right.	A baseball player. Fnorm Fg Fg		
13. The skydiver is falling at a constant velocity.	A skydiver Ffriction Fg		
14.	Create your own		
15.	Create your own		

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Can you describe the motion of an object from its force diagram?

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