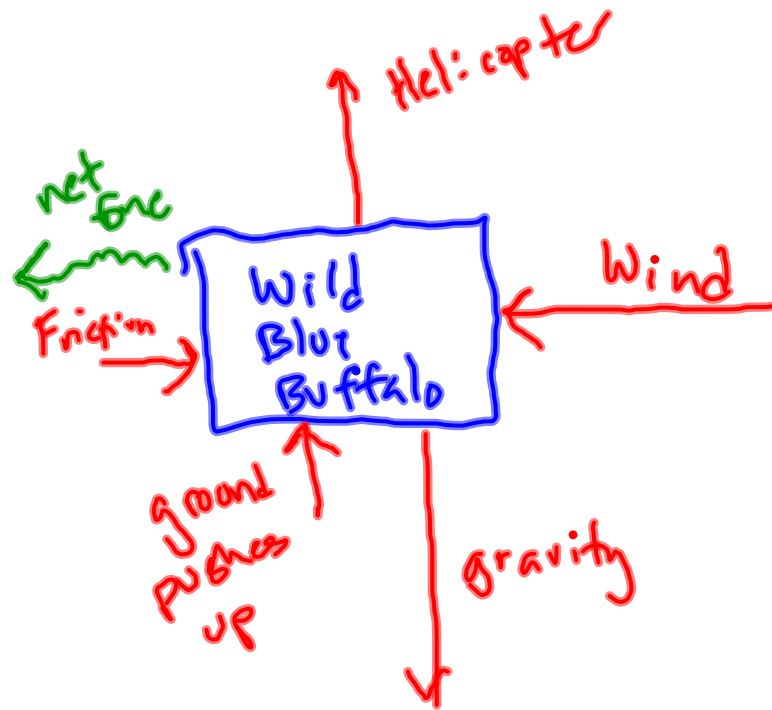


## Free body diagram :

- Shows ONE object and the size and direction of all the forces acting ON that object
- This allows you to predict the net force (overall force) on the object — which allows you to determine its acceleration



To make a free body diagram:

1. Draw forces described in the problem
2. Draw a pulling force for gravity
3. Draw friction force opposite to motion
4. Draw a surface force perpendicular to the surface

# Free body diagrams

Danny B.  
2/16/10

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