

Be the Physicist

You will be working to compare a physicist's free body diagram to the one you developed on Friday. Use the empty space on the bottom of page 35 to answer the following questions for your assigned apparatus. As you work, refer to your OWN diagram on pages 32-33. Be thorough in your discussion. You will be responsible for explaining your apparatus to the rest of your table group.

Name of Apparatus _____

1. Look at the forces you and the other two people in your group labeled for the apparatus. How do they compare to the physicist? If your diagrams don't have some of the physicist's forces discuss whether you think the physicist has a valid point, **if so** add it to your diagram with a color pencil.
2. Double check to see if you have distance forces (gravity and magnetic) labeled with dashed lines and contact forces labeled with solid arrows.
3. Talk through the forces acting on the apparatus using science words.
At the beginning the forces _____.
The reason the _____ starts to move is _____. OR
The reason the _____ does not move is _____.
 - Magnetic
 - Contact
 - Gravity
 - Counteract
 - Cancel
 - Reinforce
 - Horizontal
 - Vertical