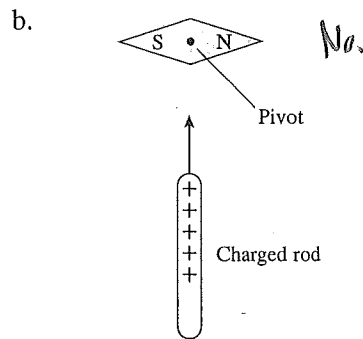
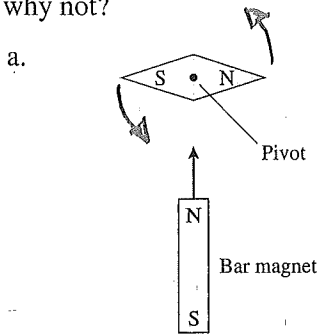
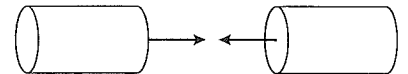


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4. You have two electrically neutral metal cylinders that exert strong attractive forces on each other. You have no other metal objects. Can you determine if *both* of the cylinders are magnets, or if one is a magnet and the other just a piece of iron? If so, how? If not, why not?

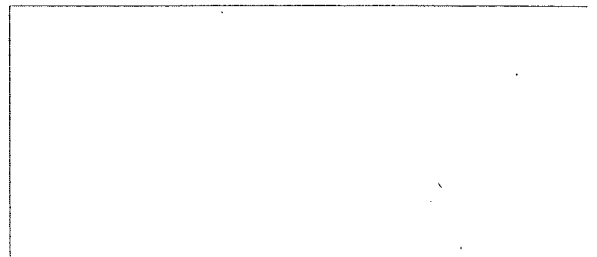
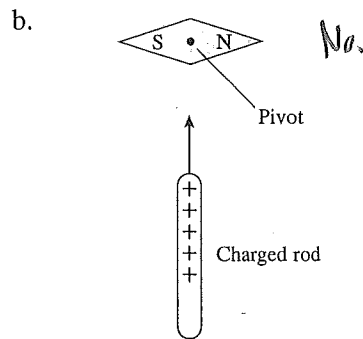
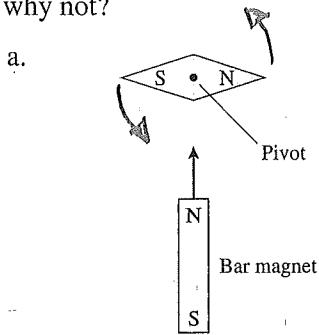


If magnets, reversing one → repulsion.

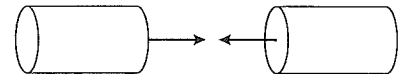
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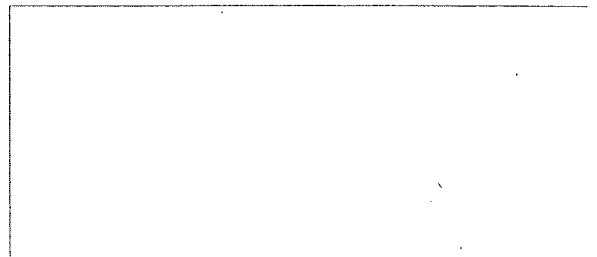
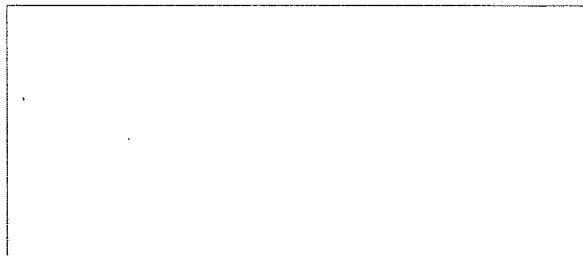
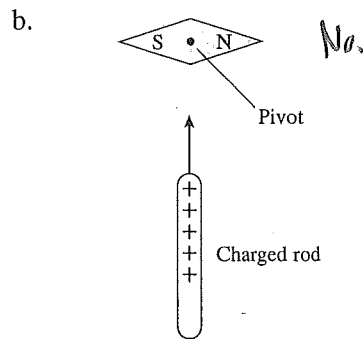
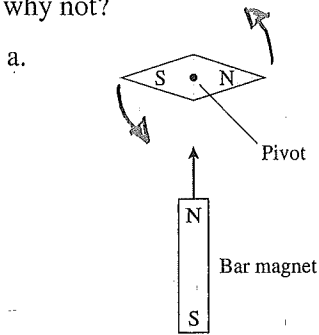


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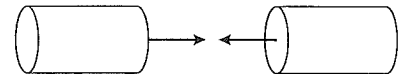
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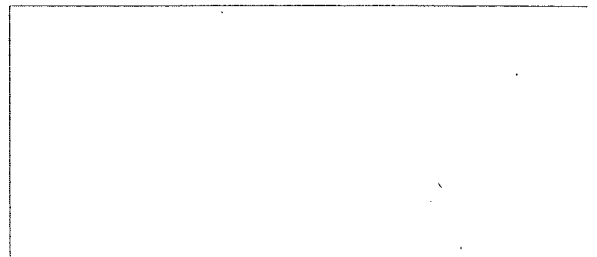
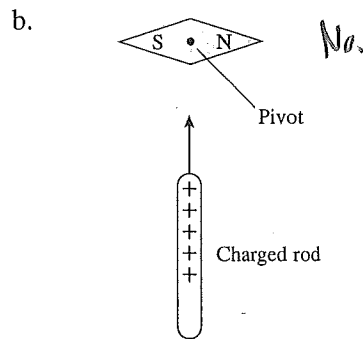
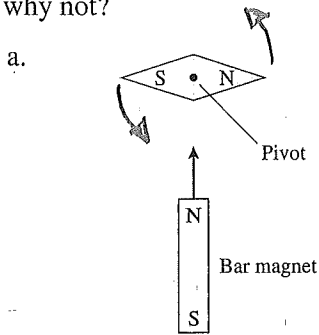


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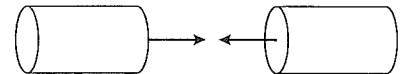
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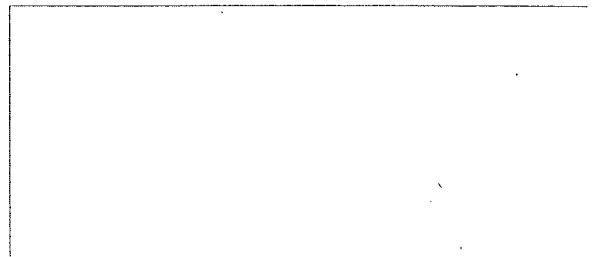
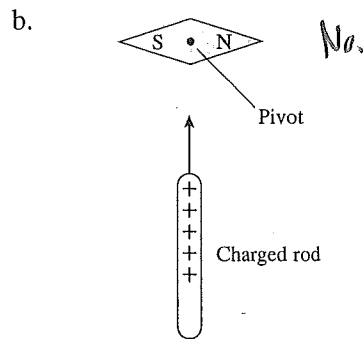
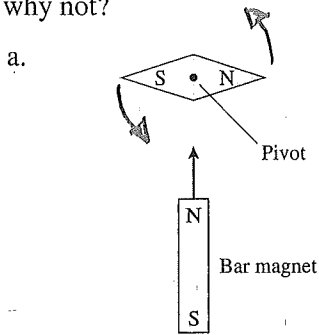


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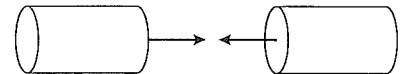
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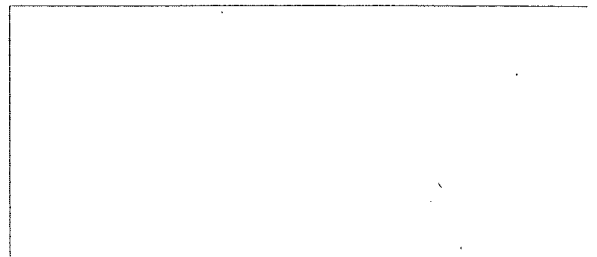
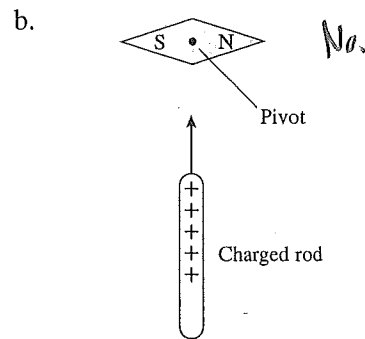
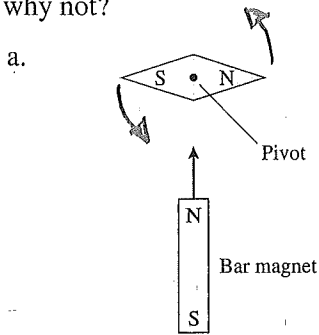


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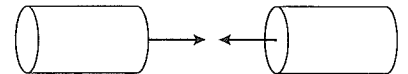
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