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Yes, pick a direction, and anything with Point Symmetry will look the same from the opposite direction, too. Example: When cut at 45° the two halves of this card are exactly the same. In other words the view from 45° , and the opposite direction (which is 225°) are the same. Another familiar example of an object with point symmetry is a square. Some cards in a regular deck also have point symmetry. You could try to observe items in your home that have point symmetry - maybe your ceiling fan or even your fancy dishes. Many flowers in nature also have point symmetry. Examples on Point Symmetry. The number 8 has a symmetry over x-axis and also over y-axis. Also when the shape is rotated by 180° around point origin, the shape remains the same. Also it can be seen that any point on the shape has a matching point on the opposite direction at the same distance. highly symmetric? Yes; Sure, C_n axis of C₃ or higher? Yes; Any C₅ or C₄? No; 3S₄? Yes. 4C₃ axes passing through C-Cl bond, 3C₂ in each x,y,z dimensions. 6 σ d mirror planes one for each Cl-C-Cl bond T_d;
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