nite cleavage line. Purpose To demonstrate that some minerals have a defi-

Materials paper towels

Procedure

- Try to rip a single sheet of a paper towel from top to bottom.
- Turn another sheet of paper towel and try to tear it from side to side.

in the other. Results The paper will tear easily in one direction but not

and easily along the lines where the molecules line up, but it diamonds, along cleavage lines. The mineral splits smoothly and irregular tears result when the paper is pulled in the straight line in one direction. Pulling on the paper attacks can smash into irregular pieces if hit across the cleavage opposite direction. This is like cutting minerals, such as thus the paper rips easily down one of these lines. Jagged the wire screen are thinner than the rest of the paper, and the weakest point. The parallel lines on the paper made by Why? Paper towels are made on a wire screen, creating a

