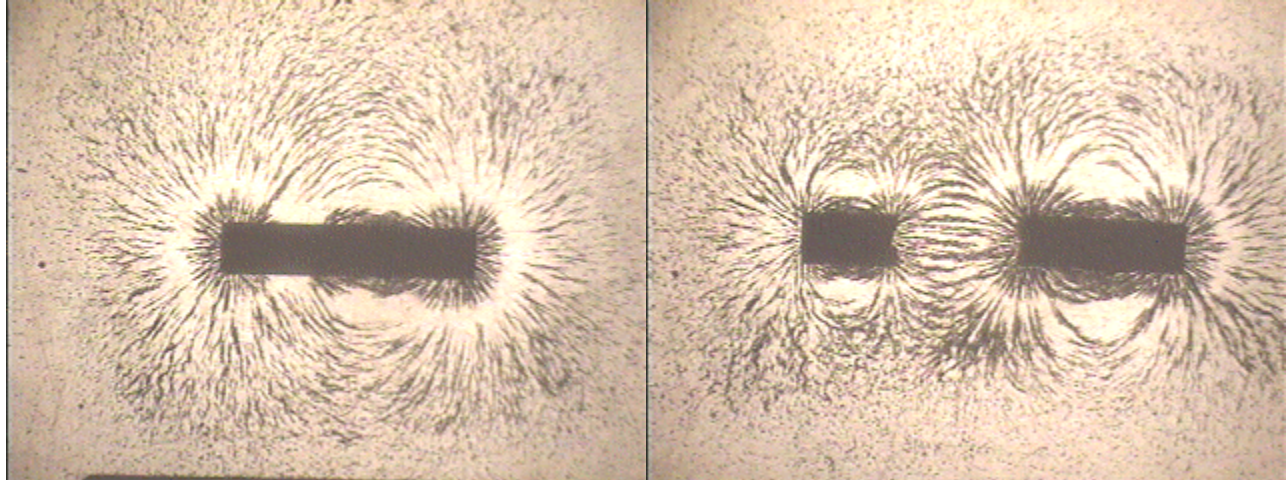


## Answer #83

The answer is (b): each of the two segments of the original magnet will become a separate magnet with both north and south poles. The poles at the broken junction will be opposing and each will be the opposite of the pole at the other end of the broken segment. This can be seen in the photograph at the right below, and compared with the configuration of the original magnet seen at the left.



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For questions and comments regarding the *Question of the Week* contact [Dr. Richard E. Berg](#) by e-mail or using phone number or regular mail address given on the [Lecture-Demonstration Home Page](#).