











Compass needles point roughly towards the earth's geographic North Pole. Earth can be viewed as having a giant dipole magnet embedded in it From this, which can you conclude? A: Geographic North = agnetic North Pole of earth B: Geographic North = magnetic South Pole of earth
©University of Colorado, Boulder (2008)

ŕ	A permanent bar magnet is broken in half. Do the pieces attract or repel?
E	A: Attract 3: Repel <u>1 2</u> C: Neither, no net force!
	©University of Colorado, Boulder (2008)

A permanent bar magnet is broken in half. The two pieces are interchanged, keeping their orientations fixed, as shown below. Do the pieces attract or repel?
A: Attract B: Repel $1 \\ 2 \\ C: Neither, \\ no net force! 2 1$
©University of Colorado, Boulder (2008)