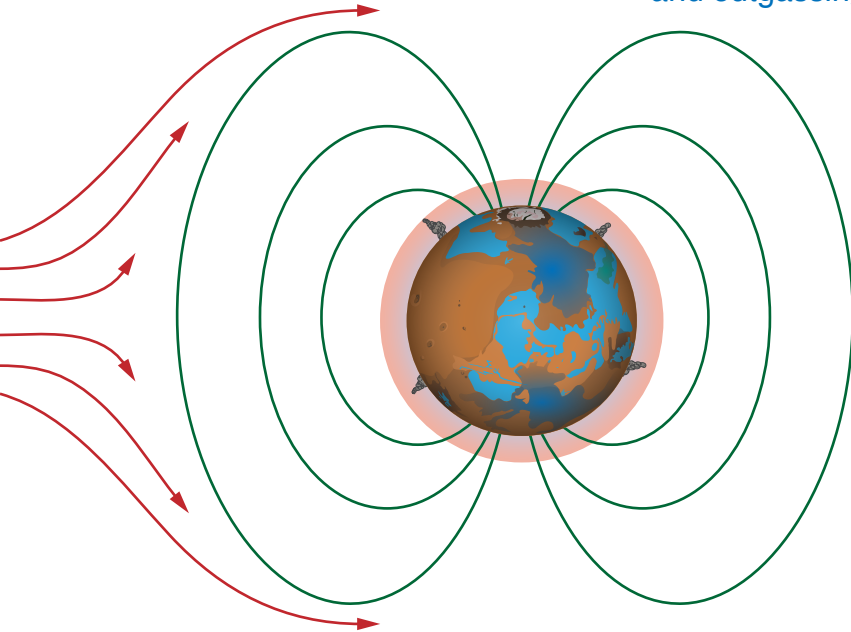


Early Mars

hotter core generated
stronger magnetic field

warmer interior gave
extensive volcanism
and outgassing



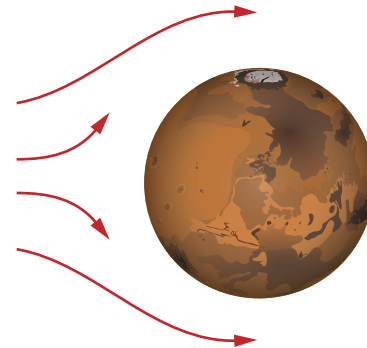
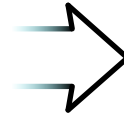
stronger magnetic field
protected atmosphere
from solar wind

thicker atmosphere
created warmer and
wetter climate

Mars Today

cooler interior means
no core convection to drive
magnetic field

cooler interior no
longer drives
volcanism or
outgassing



weaker magnetic field
lets solar wind strip
atmosphere

thinner atmosphere
reduces greenhouse
warming