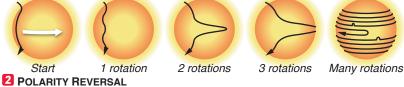
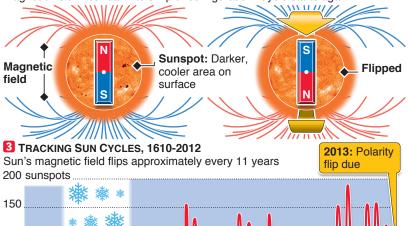
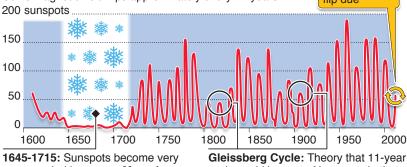
## **Sun's magnetic field set to flip upside down** How Sun's Magnetic Field Works

Magnetic field lines change as sun rotates, becoming progressively wrapped around it. Frenetic activity creates sunspots and solar flares



Sunspots grow in number until sun's tangled magnetic field flips polarity and magnetic field lines return to simpler configuration. Cycle starts again





rare - period known as *Maunder* Minimum. Coincides with Little Ice Age, when Europe and North America experience bitterly cold winters Sources: NASA, Space.com, wire agencies

Gleissberg Cycle: Theory that 11-year cycle could be part of larger cycle that tapers every 100 years. One school of thought thinks we are due another Maunder Minimum-type event © GRAPHIC NEWS