

Earth's magnetic field

Quiz with answers

1. Auroras are the phenomena accompanying:
 - ☐ atmospheric discharges
 - ☒ **magnetic storms**
 - ☐ atmospheric high-pressure areas
 - ☐ polar fronts
2. At the magnetic poles the direction of magnetic field lines relative to the Earth's surface is
 - ☒ **perpendicular**
 - ☐ parallel
3. An exchange of the geomagnetic North and South pole (a pole reversal)
 - ☐ is possible, but has not yet happened
 - ☐ is not possible
 - ☐ happens regularly
 - ☒ **took place in the history of the Earth**
4. Magnetosphere protects the Earth from:
 - ☒ **radioactive particles from the Sun**
 - ☐ meteorites
 - ☐ glaciation
 - ☐ harmful effects of ferromagnetic materials
5. Which of the following object does not disturb a compass?
 - ☐ a conductor in which an electric current is flowing
 - ☐ a steel construction
 - ☐ a neodymium magnet
 - ☒ **a copper bar**
6. The value of the magnetic declination is given in
 - ☐ millimetres
 - ☒ **degrees**
 - ☐ meters or kilometres
 - ☐ per mille
7. A declination in east direction is:
 - ☒ **marked with an E and is positive**
 - ☐ marked with an E and is negative
 - ☐ marked with a W and is positive
 - ☐ marked with a W and is negative