

World Geography

Geography is the study of places and the relationships between people and their environments. Geographers explore both the physical properties of Earth's surface and the human societies spread across it. When we study Geography at world scale, it is called 'world Geography'.

Atmosphere

- The **vast expanse of air**, which envelops the earth all around is called the atmosphere. It extends to thousands of kilometres.
- It protects the Earth's surface from the Sun's harmful ultraviolet rays.
- It also regulates temperature, preventing the Earth from becoming too hot or too cold.
- The major constituents of air in the atmosphere are Nitrogen (78%), Oxygen (21%), Argon (0.93%) and Carbon dioxide (0.03 %).
- Besides water vapour, dust particles, smoke, salts and other impurities are present in air in varying quantities.

Layer	Height (km)	Feature
Troposphere	0-18 km	Contains 75% of the gases in the atmosphere. As height increases temperature decreases (about 6.5°C/km ascent).
Stratosphere	18-50 km	This layer contains the ozone layer. The temperature remains fairly constant. At upper layer temperature is almost 0°C.
Mesosphere	50-80 km	This is the coldest region of the atmosphere. The temperature drops to about -100°C.
Ionosphere	80-600 km	Radio waves are bounced off the ions and reflect waves back to the Earth. This generally helps radio communication.
Exosphere	Above 600 km	Upper part of exosphere is called Magnetosphere. The temperature keeps on rising constantly at high rate.

Continent	Highest (m)	Lowest (m)
Asia	Mt Everest (8850)	Dead Sea (-396)
Africa	Mt Kilimanjaro (5895)	Lake Assal(-151)
North America	Mt Mckinley (6190)	Death Valley (-87)
South America	Mr Aconcagua (6962)	Valdes Peninsula (-40)
Antarctica	Vinson Massif (4897)	Bentley Subglacial Trench (-2538)
Europe	Mt El' brus (5642)	Caspian Sea (-28)
Australia	Mt Kosciuszko (2228)	Lake Eyre (-16)

Range	Location	Length (km)
Andes	South America	7200
Himalayas, Karakoram and Hindukush	South Central Asia	5000
Rockies	North America	4800
Great Dividing Range	East Australia	3600
Atlas	North-WestAfrica	1930
Western Ghats	Western India	1610
Caucasus	Europe	1200
Alaska	USA	1130
Alps	Europe	1050

Name	Country/Region
Sahara (Libyan, Nubian)	North Africa
Australian (Gibson, Simpson), Victorian Great Sandy)	Australia
Arabian (Rub al Khali, An-Nafud)	Arabia
Dasht-e-Lut (Barren Desert)	Iran
Dasht-e-Kavir (Salt Desert)	Iran
Desierto de Sechura	Peru
Atacama	North Chile
Patagonia	Argentina
Kalahari	Botswana
Namib	Namibia

Grassland	Country
Steppe	Eurasia
Pustaz	Hungary
Prairie	USA
Pampas	Argentina and Uruguay (South America)
Veld	South Africa
Downs	Australia
Canterbury	New Zealand

River	Origin
Nile	Victoria lake
Amazon	Andes (Peru)
Yangtze	Tibetan Kiang Plateau
Mississippi Missouri	Itaska Lake (USA)
Yenisei	Tannu-Ola Mountains
Huang Ho	Kunlun Mountains
Ob	Altal Mountains Russia
Congo	Lualaba and Luapula rivers
Amur	North East China
Lena	Baikal Mountains
Mekong	Tibetan Highlands
Niger	Guinea

Typhoons	China Sea
Tropical Cyclones	Indian Ocean
Hurricanes	Caribbean Sea
Tornadoes	USA
Willy Willies	Northern Australia

Name	In Between
Radcliffe Line (1947)	India and Pakistan (Indo-Pak)
McMahon Line (1914)	India and China (Indo-China)
Durand Line (1893)	Pakistan and Afghanistan
Hindenburg Line	Germany and Poland
Maginot Line	France and Germany

Name	In Between
Oder Neisse Line	Germany and Poland
17th Parallel Line	North Vietnam and South Vietnam
24th Parallel Line	Pakistan claims that it is the boundary between India and Pakistan in Rann of Kutch.
Siegfried Line	Fortification between Germany and France
38th Parallel Line	North and South Korea
49th Parallel Line	USA and Canada

Lake	Location
Caspian Sea	Asia
Superior	Canada and USA
Victoria	Africa
Huron	Canada and USA
Michigan	USA

Lake	Location
Tanganyika	Africa
Baikal	Russia
Great Bear	Canada
Aral	Kazakshtan
Great Slave	Canada

Mountain Peak	Location
Mt Everest (Highest in the world)	Nepal-Tibet
K2 (Godwin Austin)	India (POK)
Dhaulagiri	Nepal
Annapurna	Nepal
Gurla Mandhata	Tibet
Tirich Mir	Pakistan
Aconcagua	Argentina
Cotopaxi	Ecuador
Kilimanjaro	Tanzania

Practice Exercise

- Ozone layer is located in which layer of atmosphere?
 (a) Troposphere (b) Stratosphere
 (c) Mesosphere (d) Exosphere
- As the height increases, temperature decreases for about
 (a) 6.5°C/km
 (b) 6°C/km
 (c) 5.5°C/km
 (d) 5.6°C/km
- Third layer of atmosphere from Earth is called
 (a) Troposphere (b) Mesosphere
 (c) Stratosphere (d) Ionosphere
- What is the percentage of Carbon dioxide in Air?
 (a) 0.03% (b) 0.003% (c) 0.3% (d) 3%
- The proportion of which gas is maximum in Air?
 (a) Argon (b) Carbon dioxide
 (c) Nitrogen (d) Oxygen
- The highest place in Asia is
 (a) Mt. Kilimanjaro (b) Nanda Devi
 (c) Mt. Aconcagua (d) Mt. Everest
- Lowest place in Europe is
 (a) Caspian Sea (b) Death Valley
 (c) Dead Sea (d) Lake Eyre

- 8.** Which mountain range is located in North America?
 (a) Andes (b) Rockies
 (c) Atlas (d) Himalayas
- 9.** Which is the longest mountain range in the world?
 (a) Atlas (b) Western Ghats
 (c) Andes (d) Alaska
- 10.** Sahara desert is located in which continent?
 (a) Africa (b) Australia
 (c) Asia (d) Europe
- 11.** In which country Atacama desert is located?
 (a) Argentina
 (b) North Chile
 (c) Botswana
 (d) Kalahari
- 12.** Select the incorrect one.
- | Grassland | Country |
|------------|---------------|
| (a) Steppe | Eurasia |
| (b) Pampas | South America |
| (c) Downs | Australia |
| (d) Veld | Asia |
- 13.** What is the origin place of Nile river?
 (a) Victoria Lake
 (b) Andes
 (c) Itaska lake
 (d) Tibetan highlands
- 14.** Which river originates from Andes?
 (a) Nile (b) Ob
 (c) Amazon (d) Congo
- 15.** In which part of the world, cyclones are commonly known as 'Willy Willies'?
 (a) USA (b) Northern Australia
 (c) Indian Ocean (d) China
- 16.** Lake Superior is situated in which country?
 (a) USA and Canada (b) Africa
 (c) Asia (d) Canada
- 17.** Which is the highest mountain in the world?
 (a) Mt. Etna (b) Mt. Everest
 (c) Annapurna (d) K₂
- 18.** The Border between USA and Canada is known as
 (a) 17th Parallel line (b) 38th Parallel line
 (c) 49th Parallel line (d) Maginot line
- 19.** Mc Mahon Line is the border between
 (a) India and Pakistan
 (b) France and Germany
 (c) Germany and Poland
 (d) India and China
- 20.** Which among the following country is leading producer of Coffee in world?
 (a) Brazil (b) Thailand
 (c) China (d) Egypt

Answers

1.	(b)	2.	(a)	3.	(b)	4.	(a)	5.	(c)	6.	(d)	7.	(a)	8.	(b)	9.	(c)	10.	(a)
11.	(b)	12.	(d)	13.	(a)	14.	(c)	15.	(b)	16.	(a)	17.	(b)	18.	(c)	19.	(d)	20.	(a)