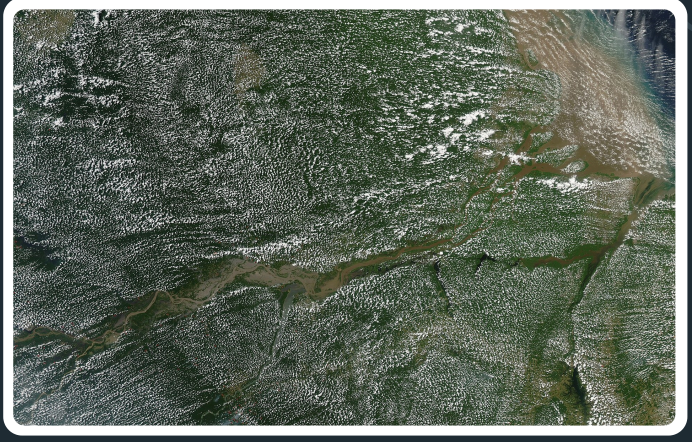
Climate Zones Free Sample

A taste of the printable packs from zones.climates.im





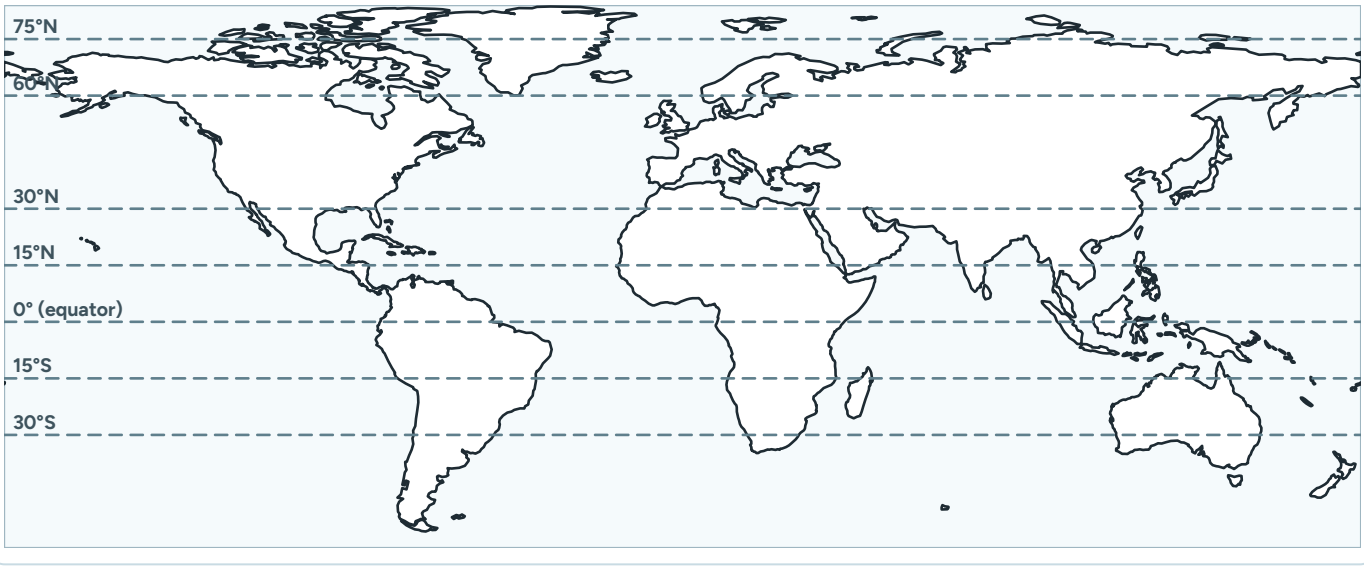
FREE · 9 PAGES · A4 + US LETTER

A map to colour · a puzzle · four fact cards · a log page · a worksheet · a poster

MAP 1 · THE WORLD

The rough belts

Colour the world by latitude first. Real zones wiggle: Map 2 shows how



Map outlines made with Natural Earth (public domain). Latitude lines are dashed. A rough guide for colouring, not a precise climate map.

YOUR TASKS

1. Colour the land between 15°N and 15°S in your A colour (tropical).
2. Colour the land between 15° and 30°, north and south, in your B colour (dry).
3. From about 25° to 70°, north and south, colour stripes of C and D.
4. Colour the land beyond 60° in your E colour (polar).
5. The belts overlap. That isn't a mistake: it's how the books describe them.

Tropical (A) climates form a nearly unbroken belt around Earth, mostly within 15° of the equator. Dry and semi-dry climates cover about a quarter of Earth's land, mostly in the belt between 15° and 30° latitude. C and D climates fill much of the middle and high latitudes, mostly from 25° to 70° north and south. E climates are ruled by polar and Arctic air, at 60° and beyond.

FROM THE PUZZLE PACK

Climate true or false

Circle T for true or F for false. Answers at the bottom.

1. A region's climate is usually worked out over 30 years of weather. **T** **F**

2. Group B is defined by temperature, just like the other groups. **T** **F**

3. Köppen first developed his climate classification in 1884. **T** **F**

4. The Polar cell is the biggest and strongest of the three cells. **T** **F**

5. The taiga covers about 17 per cent of Earth's land. **T** **F**

6. Every desert is hot. **T** **F**

Answers: 1) T 2) F 3) T 4) F 5) T 6) F

REALLYBYTE · © 2026 · Personal & single-classroom use · zones.climates.im

Af

CARD 2 OF 24 · GROUP A

Tropical rainforest

Af: the driest month still gets at least 60 mm of rain.

Tropical rainforest climates are found in South America, Africa and South-east Asia, either side of the equator.

In a tropical rainforest climate, average temperatures are usually around 20–30 °C, with little change through the year.

zones.climates.im

BWh

CARD 6 OF 24 · GROUP B

Hot desert

Most of Earth's true tropical deserts lie between 15° and 30° latitude, where the Hadley cell's air comes down.

The driest deserts are best developed on the western sides of continents.

Desert days and nights can differ by 35 °C when daytime highs over 40 °C are followed by a fast night-time drop.

zones.climates.im

Cfb

CARD 12 OF 24 · GROUP C

Marine west coast

Marine west coast climates are labelled Cfb and Cfc.

Marine west coast climates are mild, with few extremes and plenty of rain or drizzle in every month.

In Europe the Alps and Pyrenees run east–west, so this climate reaches some 2,000 km inland, into eastern Germany and Poland.

zones.climates.im

ET

CARD 18 OF 24 · GROUP E

Tundra

If the warmest month averages between 0 °C and 10 °C, it is tundra: too short a growing season for trees, so dwarf shrubs, grasses and small plants instead.

The tundra climate lies between 60° and 75° latitude, mostly along the Arctic coasts of North America and Eurasia and the edges of Greenland.

Tundra animals include reindeer, musk ox and Arctic hare.

zones.climates.im

REALLYBYTE · © 2026 · Personal & single-classroom use · zones.climates.im

Month 1 of 12: _____ Year: _____

DAY	TEMP (°C)	RAIN (MM)	SKY	NOTES
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				

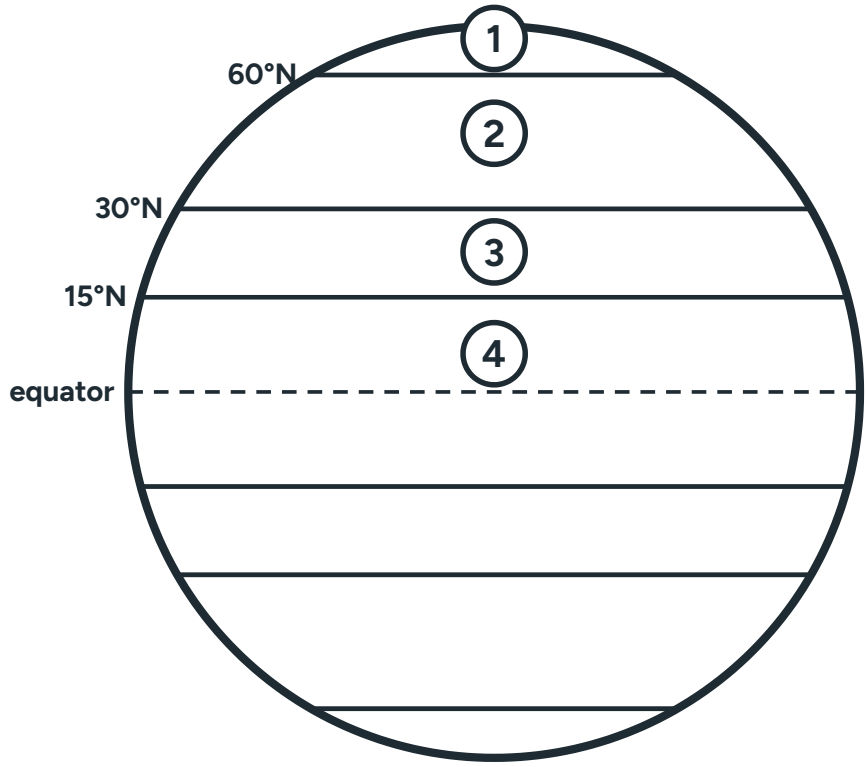
All the temps added up ÷ number of days = **month mean**: _____ °C

All the rain added up = **month total**: _____ mm

FROM AROUND THE WORLD IN FIVE ZONES

Zones on a globe

Write the right zone next to each number, from the North Pole down to the equator. The southern half is a mirror image



Dry · Polar · Temperate and continental · Tropical

1. _____ 2. _____

3. _____ 4. _____

Roughly, the zones run by latitude: tropical near the equator, dry just north and south of the tropics, temperate beyond, and polar only in the Arctic and Antarctic.

Answers: 1) Polar 2) Temperate and continental 3) Dry 4) Tropical

Our own simplified drawing, not to scale.

CLIMATE ZONES POSTER

The three cells

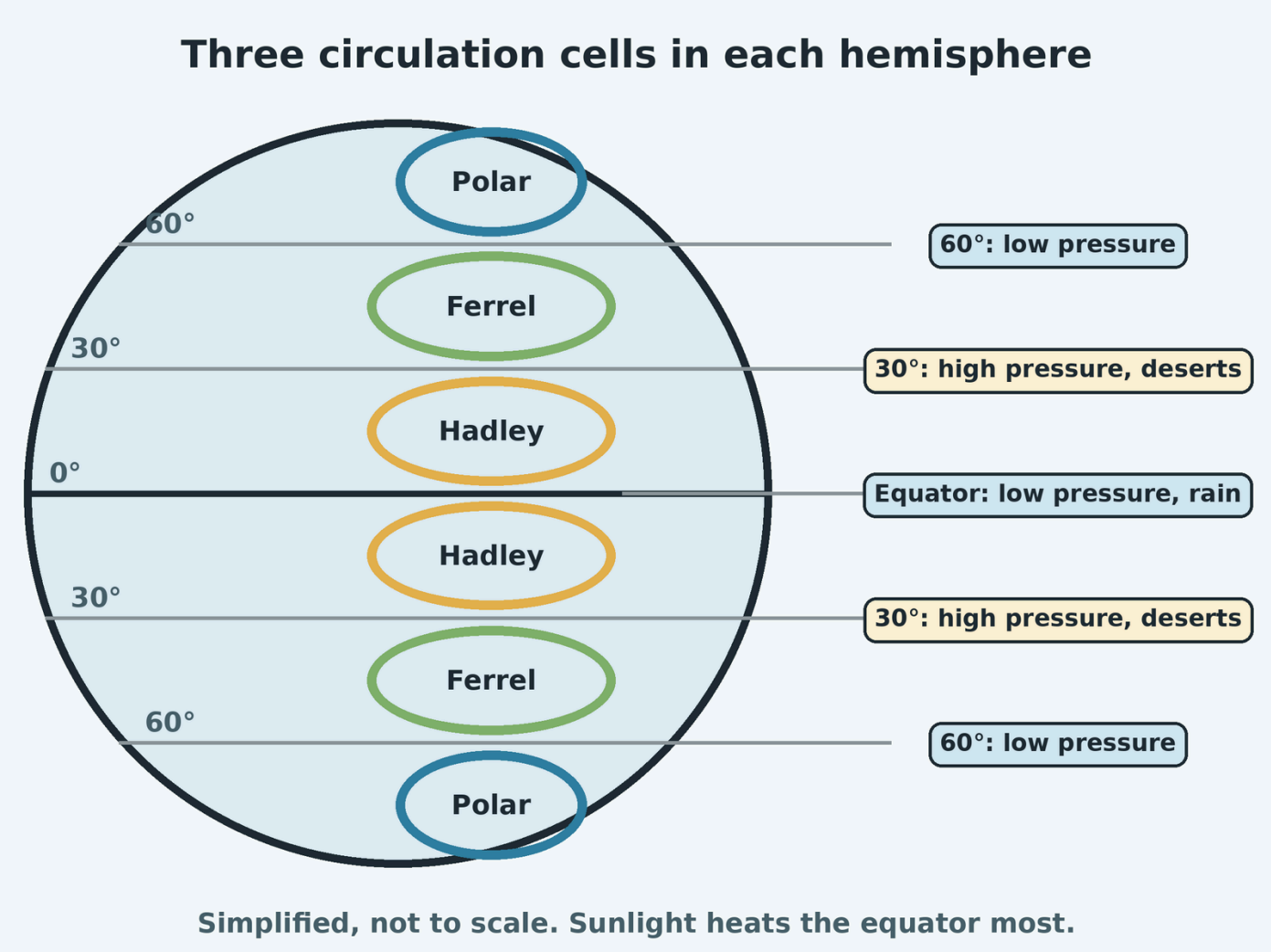


Diagram: our own, simplified and not to scale.

Earth's air conveyor belt

Each hemisphere has three big circulation cells: the Hadley, Ferrel and Polar cells.

In the Hadley cell, trade winds blow towards the equator, the warm air rises into towering rain clouds, then sinks over the subtropics, making high pressure over deserts like the Sahara.

Together the three cells work like a global conveyor belt, shaping the winds and where deserts and rainforests are found.

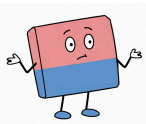
WANT MORE?

Six full climate zone packs

All checked against the Met Office, NOAA and Encyclopaedia Britannica

PACK	WHAT'S INSIDE
Colour the World's Climate Zones: Map & Colouring Pack	Blank world and continent maps to colour by zone, a Köppen colour key, latitude-belt maps, a three-cell sheet, and landscape colouring pages for each zone
Köppen Code Puzzle Pack: Crosswords, Codes & Climate Logic	A crossword, a word search, a zone maze, a code-cracker, letter-matching and "classify this climate" logic puzzles, all with answer keys
Climate Zone Fact Cards: A to E and Mountains Too	Twenty-four fact-checked cards: the five Köppen groups, the highland group, the main climate types and four big causes, with the Köppen letters and rules
My Climate Log: A 12-Month Weather Record & Köppen Workbook	Record your own temperatures and rainfall for a year, then follow the Köppen rules step by step to work out your own climate code
Around the World in Five Zones: Kids' Climate Zone Worksheets	For ages 7 to 11: label the zones, match the landscapes, true or false, climate maths, a maze, colouring, a word search and riddles, with answer keys
Climate Zones Poster Set	Six fact-checked posters: what a climate zone is, the Köppen letters, the three circulation cells, tropical, dry and polar zones

Each pack comes in A4 and US Letter, and all six come together in The Complete Climate Zones Printables Bundle. See zones.climates.im/shop/ for links. Free climate zone games: zones.climates.im



Free! Like me. Nobody paid for me either.

Credits, licence & help

The small print, kept short

YOUR LICENCE

This is a free sample from REALLYBYTE. You may print as many copies as you need for **your own family or your own class/group**, and share the file with your own students through a password-protected platform (for example Google Classroom). Please don't resell it, re-upload it or share it publicly. For school-wide use, please email info@reallybyte.com.

PICTURES

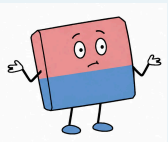
IMAGE	CREDIT	LICENCE	SOURCE PAGE
Natural Earth land outlines (1:110m and 1:50m)	Natural Earth	Public domain	www.naturalearthdata.com/about/terms-of-use/
Afternoon Clouds over the Amazon Rainforest.jpg	NASA, Jeff Schmaltz, MODIS Rapid Response	Public domain	commons.wikimedia.org/wiki/File:Afternoon_Clouds_over_the_Amazon_Rainforest.jpg

Photos, paintings and old maps are public domain or CC0 (credits above), from Wikimedia Commons, cropped. Map outlines are made with Natural Earth (public domain). Landscape pictures show what a kind of climate can look like, not a precise climate code for that spot. All diagrams, puzzles, scenes and layouts are REALLYBYTE's own work.

WHERE THE FACTS COME FROM

Every fact in this pack was checked against the pages below (the Met Office, NOAA's JetStream online school and Encyclopaedia Britannica) on 3 Nov 2026. The diagrams are our own, simplified and not to scale. Not endorsed by the Met Office, NOAA or Britannica.

Encyclopaedia Britannica: Köppen climate classification: www.britannica.com/science/Koppen-climate-classification
Met Office: What is climate?: weather.metoffice.gov.uk/climate/climate-explained/what-is-climate
Met Office: Climate zones: weather.metoffice.gov.uk/climate/climate-explained/climate-zones
Met Office: Global circulation patterns: weather.metoffice.gov.uk/learn-about/weather/atmosphere/global-circulation-patterns
Encyclopaedia Britannica: taiga: www.britannica.com/science/taiga
Encyclopaedia Britannica: tropical and subtropical desert climate: www.britannica.com/science/type-B-climate
Encyclopaedia Britannica: marine west coast climate: www.britannica.com/science/marine-west-coast-climate
Encyclopaedia Britannica: tundra climate: www.britannica.com/science/tundra-climate



NEED HELP?

Useless can't help (he's an eraser, and he's busy checking the rain gauge), but we can. Problems with your file, or spotted something we should fix? Email **info@reallybyte.com**.

More free climate zone games: zones.climates.im